CO-OCCURRENCE OF DRINKING WATER CONTAMINANTS

Primary and Secondary Constituents

APPENDICES E-F

Draft Report

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Submitted to:

Office of Ground Water and Drinking Water
U. S. Environmental Protection Agency
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Appendix E

National Level Results

Overall: Correlation coefficient results for ground and surface water. Data are summarized irrespective of constituent threshold level.

Threshold: Correlation coefficient results for ground and surface water respectively. These files show the correlation analyses and summary statistics for each constituent combination, including by threshold, and also indicate whether or not there is significance based on P-value.

Significant: List of significant (based on P-value) correlation coefficient results.

Appendix E-overall. NATIONAL CORRELATION ANALYSIS RESULTS
GROUND WATER

	ALKALINITY-D FE-P39033-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	CYANIDE-DISSOLVED-P00723-(UG/L AS CN)	CYANIDE-TOTAL-P00720-(UG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)
ALKALINITY-D FE-P39033-(MG/L AS CACO3)		-0.027 0.679 N=234	0.059 0.925 N=5	0.341 0.000 N=1312		0.198 0.431 N=18	0.125 0.000 N=1430		-0.117 0.883 N=4	0.026 0.470 N=794	-0.165 0.526 N=17	0.015 0.651 N=863		0.577 0.015 N=17	0.033 0.340 N=851	0.971 0.154 N=3		0.014 0.958 N=17		. . N=12	-0.042 0.193 N=963	-0.052 0.016 N=2157	0.282 0.000 N=1973	0.163 0.000 N=2436	0.082 0.000 N=1939	0.688 0.517 N=3		-0.097 0.819 N=8	0.099 0.000 N=1904	
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	-0.027 0.679 N=234			0.006 0.741 N=2878		-0.132 0.169 N=111	-0.017 0.365 N=2828		-0.108 0.292 N=101	0.166 0.000 N=2935	-0.468 0.000 N=98	0.006 0.736 N=2939		0.328 0.002 N=87	0.330 0.000 N=2920	-0.043 0.724 N=70		0.374 0.000 N=114	-0.059 0.301 N=312	-0.683 0.000 N=53	0.243 0.000 N=1029	-0.087 0.001 N=2326	0.263 0.000 N=2360	0.446 0.000 N=2689	0.652 0.000 N=2698	0.349 0.002 N=75		0.211 0.000 N=292	0.170 0.000 N=2871	
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0.059 0.925 N=5			-0.311 0.000 N=149		0.133 0.004 N=480	0.108 0.091 N=258		0.085 0.107 N=362	0.472 0.000 N=303	-0.005 0.919 N=404	-0.038 0.544 N=256		0.461 0.000 N=438	0.935 0.000 N=268	. . N=16		0.335 0.000 N=461	0.058 0.649 N=63	0.999 0.000 N=178	-0.142 0.077 N=157	-0.176 0.001 N=391	-0.049 0.472 N=220	-0.179 0.003 N=275	-0.063 0.368 N=205			0.184 0.000 N=449	-0.074 0.234 N=263	
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0.341 0.000 N=1312	0.006 0.741 N=2878	-0.311 0.000 N=149				-0.009 0.484 N=6087		-0.045 0.598 N=142	0.002 0.894 N=4933	-0.331 0.000 N=145	0.000 0.979 N=7590		-0.239 0.000 N=263	0.043 0.000 N=7641	-0.054 0.338 N=317		-0.043 0.452 N=306	-0.004 0.881 N=1181	-0.052 0.594 N=107	-0.009 0.616 N=2978	-0.013 0.233 N=8290	0.061 0.000 N=8575	-0.011 0.284 N=9480	-0.003 0.761 N=9523	-0.119 0.271 N=88		-0.095 0.045 N=447	-0.004 0.680 N=9594	-0.408 0.495 N=5
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																														
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.198 0.431 N=18	-0.132 0.169 N=111	0.133 0.004 N=480				0.042 0.447 N=336	--na--	0.023 0.542 N=715	-0.015 0.793 N=323	0.118 0.004 N=593	-0.006 0.915 N=329		-0.030 0.368 N=899	0.284 0.000 N=389	0.226 0.400 N=16		0.109 0.001 N=978	-0.155 0.209 N=67	0.061 0.165 N=469	-0.043 0.435 N=324	-0.082 0.013 N=928	0.095 0.044 N=448	-0.008 0.852 N=577	0.055 0.285 N=379		--na--	0.074 0.029 N=881	-0.009 0.845 N=445	--na--
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.125 0.000 N=1430	-0.017 0.365 N=2828	0.108 0.091 N=258	-0.009 0.484 N=6087		0.042 0.447 N=336				-0.015 0.235 N=8172	-0.033 0.598 N=265	-0.005 0.887 N=8732		-0.014 0.776 N=401	-0.022 0.070 N=6503	-0.064 0.252 N=323		0.073 0.146 N=398	0.012 0.801 N=419	-0.425 0.000 N=170	-0.008 0.677 N=2751	-0.049 0.000 N=6542	0.014 0.255 N=6474	0.050 0.000 N=7744	0.027 0.019 N=7720	-0.327 0.001 N=97	--na--	-0.131 0.001 N=599	-0.012 0.275 N=7842	0.958 0.001 N=7
BARIUM-SUSPENDED-P01006-(UG/L AS BA)						--na--				.				--na--	--na--			--na--				--na--	--na--	--na--	--na--		--na--	--na--	--na--	--na--
BARIUM-TOTAL-P01007-(UG/L AS BA)	-0.117 0.883 N=4	-0.108 0.292 N=101	0.085 0.107 N=362	-0.045 0.598 N=142		0.023 0.542 N=715				-0.032 0.640 N=215	0.037 0.450 N=410	-0.026 0.721 N=191		0.048 0.199 N=705	-0.055 0.441 N=201	. . N=16		0.236 0.000 N=745	-0.049 0.702 N=63	0.077 0.161 N=334	-0.008 0.908 N=234	-0.012 0.751 N=654	-0.017 0.815 N=186	-0.004 0.953 N=229	-0.009 0.913 N=147			0.232 0.000 N=762	-0.002 0.974 N=215	
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.026 0.470 N=794	0.166 0.000 N=2935	0.472 0.000 N=303	0.002 0.894 N=4933		-0.015 0.793 N=323	-0.015 0.235 N=6172		-0.032 0.640 N=215			0.127 0.000 N=6266		0.285 0.000 N=388	0.767 0.000 N=5981	0.054 0.532 N=138		0.219 0.000 N=383	-0.071 0.153 N=412	-0.711 0.000 N=116	-0.004 0.855 N=2123	-0.006 0.687 N=4853	0.322 0.000 N=4922	0.418 0.000 N=6025	0.587 0.000 N=6041	0.733 0.000 N=75		0.510 0.000 N=515	0.945 0.000 N=6213	N=5
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	-0.165 0.526 N=17	-0.468 0.000 N=98	-0.005 0.919 N=404	-0.331 0.000 N=145		0.118 0.004 N=593	-0.033 0.598 N=265		0.037 0.450 N=410			0.001 0.989 N=258		0.030 0.484 N=551	0.029 0.640 N=266	. N=12		0.371 0.000 N=571	0.005 0.969 N=63	0.891 0.000 N=320	0.063 0.349 N=224	0.081 0.066 N=520	-0.030 0.588 N=332	-0.100 0.047 N=399	-0.011 0.860 N=239			0.381 0.000 N=529	-0.028 0.635 N=295	
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0.015 0.651 N=863	0.006 0.736 N=2939	-0.038 0.544 N=256	0.000 0.979 N=7590		-0.006 0.915 N=329	-0.005 0.687 N=6732		-0.026 0.721 N=191	0.127 0.000 N=6266	0.001 0.989 N=258				0.090 0.000 N=8965	-0.051 0.552 N=138		-0.003 0.946 N=393	0.105 0.000 N=1199	0.421 0.000 N=116	-0.004 0.830 N=2769	-0.012 0.277 N=7602	0.074 0.000 N=7517	0.208 0.000 N=9034	0.068 0.000 N=8926	0.290 0.012 N=75		0.098 0.025 N=525	0.164 0.000 N=9104	0.250 0.685 N=5
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																														
CADMIUM-TOTAL-P01027-(UG/L AS CD)	0.577 0.015 N=17	0.328 0.002 N=87	0.461 0.000 N=438	-0.239 0.000 N=263		-0.030 0.368 N=899	-0.014 0.776 N=401	--na--	0.048 0.199 N=705	0.285 0.000 N=388	0.030 0.484 N=551				0.471 0.000 N=411	. . N=16		0.174 0.000 N=1015	-0.026 0.856 N=52	-0.017 0.719 N=445	-0.039 0.496 N=306	-0.037 0.267 N=884	0.099 0.042 N=421	-0.054 0.215 N=523	0.220 0.000 N=355		--na--	0.337 0.000 N=913	0.176 0.000 N=425	--na--
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0.033 0.340 N=851	0.330 0.000 N=2920	0.935 0.000 N=268	0.043 0.000 N=7641		0.284 0.000 N=389	-0.022 0.070 N=6503	--na--	-0.055 0.441 N=201	0.787 0.000 N=5981	0.029 0.640 N=266	0.090 0.000 N=8965		0.471 0.000 N=411					0.098 0.001 N=1183	-0.140 0.058 N=185	-0.002 0.930 N=2506	-0.007 0.539 N=8049	0.022 0.055 N=7315	0.027 0.010 N=8800	0.021 0.048 N=8694	0.233 0.044 N=75	--na--	0.003 0.943 N=635	0.044 0.000 N=8816	N=7
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0.971 0.154 N=3	-0.043 0.724 N=70	. N=16	-0.054 0.338 N=317		0.226 0.400 N=16	-0.064 0.252 N=323		. . N=16	0.054 0.532 N=138	. N=12	-0.051 0.552 N=138		. . N=16								-0.141 0.000 N=838	-0.027 0.658 N=277	-0.122 0.041 N=281	-0.039 0.520 N=281			0.004 0.982 N=39	-0.037 0.490 N=343	
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																								.						
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.014 0.958 N=17	0.374 0.000 N=114	0.335 0.000 N=461	-0.043 0.452 N=306		0.109 0.001 N=978	0.073 0.146 N=398	--na--	0.236 0.000 N=745	0.219 0.000 N=383	0.371 0.000 N=571	-0.003 0.946 N=393		0.174 0.000 N=1015					-0.009 0.942 N=63	0.577 0.000 N=468	-0.100 0.074 N=321	-0.108 0.000 N=1067	-0.043 0.361 N=453	-0.103 0.016 N=550	0.121 0.018 N=383		--na--	0.739 0.000 N=1067	0.014 0.761 N=455	--na--
CYANIDE-DISSOLVED-P00723-(UG/L AS CN)		-0.059 0.301 N=312	0.058 0.649 N=63	-0.004 0.881 N=1181		-0.155 0.209 N=67	0.012 0.801 N=419		-0.049 0.702 N=63	-0.071 0.153 N=412	0.005 0.969 N=63	0.105 0.000 N=1199		-0.026 0.856 N=52	0.098 0.001 N=1183			-0.009 0.942 N=63			-0.049 0.496 N=192	-0.035 0.206 N=1314	0.158 0.000 N=1065	0.569 0.000 N=1061	0.007 0.816 N=1063			0.009 0.900 N=191	0.818 0.000 N=1136	
CYANIDE-TOTAL-P00720-(UG/L AS CN)	. . N=12	-0.683 0.000 N=53	0.999 0.000 N=178	-0.052 0.594 N=107		0.061 0.185 N=469	-0.425 0.000 N=170		0.077 0.161 N=334	-0.711 0.000 N=116	0.891 0.000 N=320	0.421 0.000 N=116		-0.017 0.719 N=445	-0.140 0.058 N=185			0.577 0.000 N=468			-0.057 0.421 N=202	-0.129 0.005 N=466	0.177 0.004 N=268	0.029 0.595 N=330	0.015 0.841 N=178			0.329 0.000 N=442	-0.061 0.501 N=125	
DEPTH BELOW LAND-P72019-(FEET)	-0.042 0.193 N=963	0.243 0.000 N=1029	-0.142 0.077 N=157	-0.009 0.616 N=2978		-0.043 0.435 N=324	-0.008 0.677 N=2751	.	-0.008 0.908 N=234	-0.004 0.855 N=2123	0.063 0.349 N=224	-0.004 0.830 N=2769		-0.039 0.496 N=306	-0.002 0.930 N=2506			-0.100 0.074 N=321	-0.049 0.496 N=192	-0.057 0.421 N=202		-0.002 0.755 N=17097	-0.005 0.667 N=6585	-0.005 0.857 N=7565	-0.004 0.770 N=6798	-0.087 0.310 N=138		-0.022 0.561 N=646	-0.001 0.927 N=6753	--na--
DEPTH OF WELL-P72008-(FEET)	-0.052 0.016 N=2157	-0.087 0.001 N=2326	-0.176 0.001 N=391	-0.013 0.233 N=8290		-0.082 0.013 N=928	-0.049 0.000 N=6542	--na--	-0.012 0.751 N=654	-0.006 0.687 N=4853	0.081 0.066 N=520	-0.012 0.277 N=7602		-0.037 0.267 N=884	-0.007 0.539 N=8049	-0.141 0.000 N=838		-0.108 0.000 N=1067	-0.035 0.206 N=1314	-0.129 0.005 N=466	-0.002 0.755 N=17097		-0.031 0.000 N=17886	-0.023 0.001 N=21607	-0.034 0.000 N=19212	-0.092 0.303 N=128	--na--	-0.108 0.000 N=1913	-0.015 0.037 N=18838	0.884 0.019 N=6
DISSOLVED SOLIDS-P70301-(MG/L)	0.282 0.000 N=1973	0.263 0.000 N=2360	-0.049 0.472 N=220	0.061 0.000 N=8575		0.095 0.044 N=448	0.014 0.255 N=6474	--na--	-0.017 0.815 N=186	0.322 0.000 N=4922	-0.030 0.588 N=332	0.074 0.000 N=7517		0.099 0.042 N=421	0.022 0.055 N=7315	-0.027 0.658 N=277		-0.043 0.361 N=453	0.158 0.000 N=1085	0.177 0.004 N=268	-0.005 0.687 N=6585	-0.031 0.000 N=17886		0.836 0.000 N=20635	0.093 0.000 N=18051	0.018 0.824 N=151	--na--	0.103 0.000 N=1207	0.104 0.000 N=17639	-0.527 0.724 N=7
HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	0.163 0.000 N=2436	0.446 0.000 N=2689	-0.179 0.003 N=275	-0.011 0.284 N=9480		-0.008 0.652 N=577	0.050 0.000 N=7744	--na--	-0.004 0.953 N=229	0.416 0.000 N=6025	-0.100 0.047 N=399	0.208 0.000 N=9034		-0.054 0.215 N=523	0.027 0.010 N=8800	-0.122 0.041 N=281		-0.103 0.016 N=550	0.569 0.000 N=1081	0.029 0.595 N=330	-0.005 0.657 N=7565	-0.023 0.001 N=21607	0.836 0.000 N=20635		0.218 0.000 N=21335	0.227 0.003 N=173	--na--	0.414 0.000 N=1507	0.263 0.000 N=20844	0.959 0.001 N=7
IRON-DISSOLVED-P01046-(UG/L AS FE)	0.082 0.000 N=1939	0.652 0.000 N=2698	-0.063 0.368 N=205	-0.003 0.781 N=9523		0.055 0.285 N=379	0.027 0.019 N=7720	--na--	-0.009 0.913 N=147	0.567 0.000 N=6041	-0.011 0.860 N=239	0.068 0.000 N=8926		0.220 0.000 N=355	0.021 0.046 N=8694	-0.039 0.520 N=281		0.121 0.018 N=383	0.007 0.816 N=1063	0.015 0.641 N=178	-0.004 0.770 N=6798	-0.034 0.000 N=19212	0.093 0.000 N=18051	0.218 0.000 N=21335					0.603 0.000 N=21732	-0.635 0.126 N=7

(1st value[illegible]tion coefficient 2nd value = p-value 3rd value = sample size --na--=insufficient data)

Appendix E-overall. NATIONAL CORRELATION ANALYSIS RESULTS
GROUND WATER

	ALKALINITY-D FE-P00403-(CG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)
IRON-FERROUS-P01047-(UG/L)	0.688 0.517 N=3	0.349 0.002 N=75		-0.119 0.271 N=88			-0.327 0.001 N=97			0.733 0.000 N=75		0.290 0.012 N=75		
IRON-SUSPENDED-P01044-(UG/L AS FE)						--na--	--na--	--na--						--na--
IRON-TOTAL-P01045-(UG/L AS FE)	-0.097 0.819 N=8	0.211 0.000 N=292	0.184 0.000 N=449	-0.095 0.045 N=447		0.074 0.029 N=881	-0.131 0.001 N=599	--na--	0.232 0.000 N=762	0.510 0.000 N=515	0.381 0.000 N=529	0.098 0.025 N=525		0.337 0.000 N=913
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.099 0.000 N=1904	0.170 0.000 N=2871	-0.074 0.234 N=263	-0.004 0.680 N=9594		-0.009 0.845 N=445	-0.012 0.275 N=7842	--na--	-0.002 0.974 N=215	0.945 0.000 N=6213	-0.028 0.635 N=295	0.184 0.000 N=9104		0.176 0.000 N=425
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)				-0.408 0.495 N=5		--na--	0.956 0.001 N=7	--na--		N=5		0.250 0.685 N=5		--na--
MANGANESE-TOTAL-P01055-(UG/L AS MN)	-0.047 0.941 N=5	0.058 0.324 N=287	-0.018 0.707 N=459	-0.057 0.256 N=403		0.017 0.615 N=883	-0.097 0.022 N=553	--na--	0.024 0.508 N=770	0.306 0.000 N=541	0.221 0.000 N=527	0.644 0.000 N=551		0.087 0.007 N=951
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	-0.011 0.906 N=124	0.107 0.003 N=798	0.372 0.001 N=73	-0.001 0.942 N=3167		-0.040 0.684 N=108	-0.031 0.127 N=2399		0.076 0.463 N=98	-0.009 0.672 N=2048	-0.425 0.000 N=78	-0.002 0.909 N=3005		0.160 0.029 N=187
MERCURY-SUSPENDED-P71895-(UG/L AS HG)														
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0.865 0.000 N=17	-0.089 0.418 N=85	0.285 0.000 N=363	-0.098 0.337 N=101		0.080 0.024 N=800	0.326 0.000 N=221	--na--	0.093 0.017 N=662	0.202 0.002 N=236	0.567 0.000 N=462	0.114 0.093 N=218		0.097 0.004 N=896
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0.025 0.484 N=788	0.366 0.000 N=2827	0.049 0.434 N=256	-0.005 0.744 N=4941		-0.011 0.841 N=311	-0.017 0.170 N=6177	--na--	0.018 0.813 N=174	0.748 0.000 N=5803	-0.020 0.752 N=264	0.121 0.000 N=6207		0.396 0.000 N=376
NICKEL-SUSPENDED-P01066-(UG/L AS NI)														
NICKEL-TOTAL-P01067-(UG/L AS NI)	0.304 0.238 N=17	0.291 0.002 N=116	0.234 0.000 N=461	-0.245 0.001 N=190		0.072 0.058 N=691	-0.077 0.164 N=325	--na--	0.060 0.201 N=462	0.139 0.011 N=337	0.412 0.000 N=570	0.065 0.249 N=320		0.658 0.000 N=648
NITROGEN-NITRATE-P00618-(MG/L AS N)	0.081 0.164 N=522	-0.090 0.026 N=613	-0.422 0.005 N=43	-0.020 0.420 N=1600		-0.169 0.017 N=199	0.045 0.080 N=1502		-0.088 0.249 N=174	0.038 0.220 N=1192	-0.020 0.908 N=36	0.008 0.822 N=1474		0.147 0.058 N=168
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.062 0.000 N=2003	-0.004 0.838 N=2333	-0.017 0.844 N=130	0.000 0.975 N=8387		-0.016 0.750 N=385	-0.012 0.358 N=6057		0.040 0.459 N=354	0.227 0.000 N=4917	0.056 0.541 N=121	0.040 0.001 N=7566		-0.022 0.646 N=459
NITROGEN-NITRITE-P00616-(MG/L AS N)	-0.308 0.386 N=10	-0.948 0.000 N=83	0.246 0.001 N=198	0.054 0.514 N=146		0.074 0.217 N=279	-0.063 0.299 N=277		0.133 0.128 N=132	0.890 0.000 N=209	0.210 0.001 N=251	0.196 0.004 N=214		0.096 0.122 N=258
OXYGEN-DISSOLVED-P00300-(MG/L)	-0.092 0.008 N=824	-0.097 0.000 N=2369	0.324 0.000 N=189	-0.021 0.126 N=5109		-0.083 0.128 N=337	-0.072 0.000 N=5072	--na--	-0.149 0.022 N=234	0.004 0.780 N=4339	-0.008 0.897 N=269	-0.016 0.276 N=4809		-0.122 0.023 N=350
PH WH-FIELD-P00400-(STANDARD UNITS)	-0.117 0.000 N=2635	-0.025 0.186 N=2804	-0.024 0.625 N=428	0.074 0.000 N=9564		0.043 0.175 N=984	-0.018 0.111 N=7727	--na--	-0.045 0.233 N=695	-0.152 0.000 N=6056	0.003 0.938 N=582	-0.182 0.000 N=8831		-0.253 0.000 N=953
RADIUM 226-BM PE-P04107-(PCI/G)														
RADIUM 226-DISSOLVED-P09310-(PCI/L)				0.050 0.712 N=58		0.081 0.764 N=14	-0.064 0.648 N=53			-0.020 0.688 N=53	. . N=14	0.182 0.181 N=58		. . N=46
RADIUM 228-DISSOLVED-P09511-(PCI/L)	-0.265 0.829 N=3	0.070 0.521 N=87		-0.206 0.023 N=119			0.515 0.000 N=136			0.062 0.473 N=135		0.066 0.320 N=136		. . N=31
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	-0.265 0.829 N=3	0.067 0.545 N=83		-0.128 0.111 N=156		0.089 0.762 N=14	0.372 0.000 N=170			0.082 0.427 N=169	. . N=14	0.084 0.274 N=173		-0.059 0.608 N=77
RADIUM 226-TOTAL-P09507-(PCI/L)														
RADIUM 228-BM PE-P04108-(PCI/G)														
RADON 222-PE-P76007-(PCI/L)	0.405 0.246 N=10	-0.009 0.714 N=1490		-0.023 0.256 N=2550		0.613 0.004 N=20	-0.099 0.000 N=1871			0.187 0.000 N=1832	0.767 0.000 N=17	0.177 0.000 N=2531		0.066 0.750 N=26
RADON 222-TOTAL-P82303-(PCI/L)	0.075 0.636 N=10	-0.025 0.333 N=1523		-0.022 0.267 N=2592		0.057 0.796 N=23	-0.080 0.000 N=1912			0.229 0.000 N=1872	0.324 0.204 N=17	0.213 0.000 N=2574		0.084 0.684 N=26

	CHROMIUM-DISSOLVED-P01029-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	CYANIDE-DISSOLVED-P00723-(UG/L AS CN)	CYANIDE-TOTAL-P00720-(UG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(UG/L)	HARDNESS-TOTAL-P00900-(UG/L AS CACO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)
IRON-FERROUS-P01047-(UG/L)							-0.087 0.310 N=138	-0.092 0.303 N=128	0.018 0.824 N=151	0.227 0.003 N=173					0.924 0.000 N=174	
IRON-SUSPENDED-P01044-(UG/L AS FE)	--na--							--na--	--na--	--na--					--na--	--na--
IRON-TOTAL-P01045-(UG/L AS FE)	0.739 0.000 N=1067	0.009 0.900 N=191	0.329 0.000 N=442	-0.022 0.561 N=646	-0.108 0.000 N=1913	0.103 0.000 N=1207	0.414 0.000 N=1507						0.657 0.000 N=948	--na--
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.014 0.781 N=455	0.818 0.037 N=1136	-0.061 0.000 N=125	-0.001 0.927 N=6753	-0.015 0.037 N=18838	0.104 0.000 N=17639	0.263 0.000 N=20844	0.603 0.000 N=21732	0.924 0.000 N=174	--na--	0.657 0.000 N=948					
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	--na--			--na--	0.884 0.019 N=6	-0.527 0.224 N=7	0.959 0.001 N=7	-0.635 0.126 N=7		--na--	--na--					
MANGANESE-TOTAL-P01055-(UG/L AS MN)	0.075 0.020 N=959	0.019 0.797 N=182	0.379 0.000 N=374	-0.018 0.654 N=618	-0.074 0.005 N=1411	0.543 0.000 N=812	0.500 0.000 N=1098	0.631 0.000 N=886	0.912 0.000 N=116	--na--	0.840 0.000 N=1729					
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0.219 0.004 N=169	0.752 0.000 N=738	-1.000 0.000 N=30	-0.007 0.836 N=819	-0.018 0.368 N=2568	0.011 0.571 N=2639	0.060 0.001 N=2959	-0.011 0.551 N=2914	. . N=39		-0.063 0.304 N=266	-0.006 0.723 N=3077	N=5
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0.213 0.000 N=1006	-0.035 0.807 N=52	0.483 0.000 N=445	-0.122 0.035 N=298	-0.160 0.000 N=884	-0.049 0.401 N=294	-0.032 0.558 N=341	-0.018 0.819 N=171		--na--	0.166 0.000 N=924	-0.024 0.706 N=245	--na--
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0.148 0.004 N=371	0.835 0.000 N=317	0.099 0.198 N=170	-0.004 0.856 N=1966	-0.007 0.629 N=4913	0.145 0.000 N=4834	0.302 0.000 N=6135	0.565 0.000 N=6154	0.808 0.000 N=75	--na--	0.897 0.000 N=556	0.774 0.000 N=6267	N=7
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																
NICKEL-TOTAL-P01067-(UG/L AS NI)	0.626 0.000 N=798	-0.008 0.948 N=83	0.818 0.000 N=321	-0.048 0.466 N=229	-0.166 0.000 N=669	0.125 0.021 N=342	0.133 0.005 N=445	0.158 0.008 N=278		--na--	0.468 0.000 N=713	0.127 0.019 N=342	--na--
NITROGEN-NITRATE-P00618-(MG/L AS N)	-0.106 0.126 N=209	0.694 0.000 N=86	-0.247 0.025 N=82	0.006 0.788 N=2370	-0.069 0.000 N=4581	0.132 0.000 N=2803	0.125 0.000 N=3460	-0.013 0.475 N=3122	-0.167 0.397 N=28		-0.093 0.123 N=278	-0.011 0.528 N=3054	
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.043 0.274 N=639	0.971 0.000 N=1048	0.009 0.902 N=212	-0.001 0.919 N=7801	-0.041 0.000 N=20068	0.297 0.000 N=15478	0.265 0.000 N=17234	-0.005 0.506 N=16708	0.045 0.582 N=151		0.017 0.579 N=1104	0.001 0.869 N=16422	
NITROGEN-NITRITE-P00616-(MG/L AS N)	-0.085 0.159 N=277	. . N=11	-0.136 0.028 N=262	0.071 0.251 N=265	-0.077 0.043 N=692	-0.031 0.513 N=434	-0.040 0.334 N=596	-0.102 0.088 N=284			0.007 0.912 N=271	-0.092 0.170 N=225	
OXYGEN-DISSOLVED-P00300-(MG/L)	0.090 0.116 N=300	-0.161 0.003 N=336	-0.233 0.012 N=116	-0.006 0.513 N=7004	0.035 0.000 N=17864	-0.055 0.000 N=10698	-0.075 0.000 N=12901	-0.034 0.000 N=12228	-0.126 0.139 N=140	--na--	-0.161 0.000 N=962	-0.011 0.238 N=12113	-0.627 0.183 N=6
PH WH-FIELD-P00400-(STANDARD UNITS)	-0.224 0.000 N=1059	-0.001 0.980 N=1219	-0.250 0.000 N=527	-0.018 0.041 N=12417	0.321 0.000 N=37006	-0.026 0.000 N=19518	-0.042 0.000 N=23588	-0.125 0.000 N=20859	-0.464 0.000 N=195	--na--	-0.250 0.000 N=1929	-0.114 0.000 N=20509	0.231 0.619 N=7
RADIUM 226-BM PE-P04107-(PCI/G)																
RADIUM 226-DISSOLVED-P09310-(PCI/L)					0.198 0.088 N=76	0.049 0.653 N=86	0.015 0.890 N=92	-0.041 0.701 N=92			-0.240 0.389 N=15	0.358 0.001 N=92	
RADIUM 228-DISSOLVED-P09511-(PCI/L)	--na--		--na--		-0.209 0.032 N=106	0.610 0.000 N=74	0.333 0.000 N=147	-0.042 0.613 N=147				-0.002 0.980 N=147	0.995 0.000 N=5
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)				0.111 0.746 N=11	0.110 0.168 N=160	0.361 0.000 N=142	0.168 0.013 N=220	-0.030 0.656 N=220			-0.244 0.361 N=15	0.064 0.347 N=220	
RADIUM 226-TOTAL-P09507-(PCI/L)																
RADIUM 228-BM PE-P04108-(PCI/G)																
RADON 222-PE-P76007-(PCI/L)	0.857 0.345 N=3	0.005 0.908 N=533	. . N=17	-0.022 0.367 N=1546	-0.038 0.011 N=4368	-0.033 0.043 N=3826	0.075 0.000 N=4175	0.068 0.000 N=4153			-0.071 0.415 N=132	0.169 0.000 N=4152	
RADON 222-TOTAL-P82303-(PCI/L)	0.858 0.343 N=3	-0.017 0.699 N=535	. . N=17	-0.009 0.733 N=1574	-0.019 0.209 N=4444	-0.021 0.190 N=3862	0.142 0.000 N=4224	0.105 0.000 N=4194			-0.067 0.430 N=141	0.228 0.000 N=4192	

(1st value = correlation coefficient 2nd value = p-value 3rd value = sample size --na--=insufficient data)

Appendix E-overall. NATIONAL CORRELATION ANALYSIS RESULTS
GROUND WATER

	ALKALINITY-D FE-P90035-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01034-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-F72019-(FEET)	DEPTH OF WELL-F72008-(FEET)	DISSOLVED SOLIDS-F70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)
SELENIUM-DISSOLVED-P01146-(UG/L AS SE)	0.304 0.000 N=437	0.190 0.000 N=2727	-0.055 0.509 N=149	0.000 0.996 N=7099		-0.171 0.010 N=227	-0.048 0.001 N=4844		-0.065 0.302 N=148	0.043 0.008 N=4230	-0.471 0.000 N=151	-0.001 0.903 N=6751		-0.102 0.068 N=283	-0.000 0.969 N=6739	-0.001 0.980 N=284		0.049 0.423 N=273	0.053 0.085 N=1080	-0.658 0.000 N=53	-0.008 0.716 N=2289	-0.029 0.021 N=6499	0.124 0.000 N=6665	0.126 0.000 N=7241	-0.005 0.658 N=7118	0.428 0.000 N=77		-0.113 0.022 N=411	-0.004 0.729 N=7235	. . N=5
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																														
SELENIUM-TOTAL-P01147-(UG/L AS SE)	. . N=17	0.946 0.000 N=101	0.938 0.000 N=452	-0.472 0.000 N=198		0.032 0.325 N=954	0.052 0.347 N=325	--na--	0.009 0.811 N=700	0.410 0.000 N=313	0.154 0.000 N=571	0.559 0.000 N=319		0.070 0.037 N=883	0.728 0.000 N=331	0.245 0.360 N=16		0.386 0.000 N=926	0.757 0.000 N=67	0.577 0.000 N=469	-0.093 0.097 N=323	-0.229 0.000 N=783	0.131 0.014 N=352	0.287 0.000 N=464	0.311 0.000 N=277		--na--	0.091 0.006 N=831	0.265 0.000 N=345	--na--
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.140 0.000 N=2594	0.097 0.000 N=2736	-0.022 0.648 N=448	0.063 0.000 N=9493		0.035 0.287 N=927	0.063 0.000 N=7736	--na--	0.363 0.000 N=517	0.254 0.000 N=5963	-0.093 0.027 N=561	0.102 0.000 N=8864		-0.082 0.023 N=774	0.019 0.073 N=9339	-0.019 0.571 N=916		-0.097 0.004 N=883	0.394 0.000 N=1185	-0.088 0.098 N=353	0.013 0.118 N=14024	0.014 0.002 N=48226	0.978 0.000 N=19725	0.691 0.000 N=24144	0.070 0.000 N=21183	-0.026 0.719 N=195	--na--	0.084 0.000 N=1781	0.076 0.000 N=20780	-0.530 0.222 N=7
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0.297 0.000 N=2190	0.522 0.000 N=2780	-0.012 0.818 N=388	0.017 0.101 N=9291		-0.013 0.712 N=851	-0.050 0.000 N=7384		-0.029 0.486 N=583	0.380 0.000 N=5715	-0.008 0.888 N=531	0.189 0.000 N=8691		0.270 0.000 N=918	0.015 0.168 N=8647	-0.010 0.831 N=460		-0.014 0.650 N=1058	0.555 0.000 N=1129	-0.125 0.005 N=507	-0.004 0.728 N=7926	-0.023 0.001 N=22549	0.377 0.000 N=20719	0.624 0.000 N=23939	0.273 0.000 N=20681	0.818 0.000 N=174		0.491 0.000 N=1959	0.336 0.000 N=20209	-0.598 0.287 N=5
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0.637 0.000 N=59	0.059 0.134 N=640	0.456 0.000 N=228	0.009 0.802 N=752		-0.048 0.471 N=229	-0.033 0.399 N=639		0.003 0.972 N=191	-0.037 0.295 N=799	-0.617 0.000 N=171	0.102 0.005 N=752		0.679 0.000 N=254	0.146 0.000 N=758	. . N=42		0.069 0.308 N=221	0.020 0.725 N=298	0.000 1.000 N=23	-0.212 0.005 N=175	0.217 0.000 N=619	-0.001 0.988 N=416	-0.021 0.614 N=570	0.248 0.000 N=569			0.033 0.535 N=353	-0.117 0.002 N=697	
THALLIUM-TOTAL-P01059-(UG/L AS TL)	-0.284 0.644 N=5	0.782 0.000 N=79	0.840 0.000 N=346	-0.513 0.000 N=133		0.195 0.000 N=347	0.097 0.135 N=239		0.067 0.310 N=231	0.365 0.000 N=239	0.118 0.033 N=328	0.546 0.000 N=239		0.443 0.000 N=305	0.855 0.000 N=239			0.309 0.000 N=328	0.127 0.320 N=63	0.919 0.000 N=174	-0.191 0.019 N=152	-0.144 0.017 N=274	-0.008 0.906 N=204	-0.076 0.224 N=257	-0.021 0.772 N=187			0.160 0.004 N=328	-0.079 0.226 N=239	
TURBIDITY-P00076-(NTU)	0.013 0.914 N=74	0.034 0.330 N=841	. . N=22	-0.028 0.361 N=1066		-0.105 0.458 N=52	-0.034 0.202 N=1372	--na--	-0.097 0.526 N=45	0.038 0.194 N=1195	0.309 0.071 N=35	0.036 0.187 N=1349		-0.041 0.829 N=30	-0.011 0.687 N=1396	. . N=3		-0.096 0.499 N=52	-0.052 0.643 N=81	0.359 0.001 N=76	-0.013 0.707 N=852	-0.066 0.000 N=1905	0.025 0.294 N=1790	0.074 0.001 N=2203	0.034 0.131 N=2032	0.030 0.878 N=30	--na--	0.154 0.018 N=243	0.041 0.065 N=2006	-0.124 0.791 N=7
URANIUM 235-DISSOLVED-P22620-(PCI/L)	-0.664 0.150 N=6	0.339 0.014 N=52	-0.229 0.663 N=6	-0.096 0.306 N=110		-0.247 0.637 N=6	-0.052 0.559 N=130		. . N=6	0.466 0.000 N=130	. . N=6	0.504 0.000 N=130		-0.304 0.054 N=41	0.566 0.000 N=131	--na--		-0.226 0.626 N=7			-0.245 0.327 N=18	0.032 0.818 N=54	0.106 0.313 N=93	0.591 0.000 N=136	0.140 0.103 N=137			-0.498 0.315 N=6	0.469 0.000 N=137	
URANIUM 238-DISSOLVED-P22603-(PCI/L)	-0.958 0.003 N=6	0.745 0.000 N=52	-0.244 0.641 N=6	-0.041 0.670 N=110		-0.263 0.615 N=6	-0.064 0.473 N=130		. . N=6	0.118 0.183 N=130	. . N=6	0.122 0.187 N=130		-0.350 0.025 N=41	0.192 0.028 N=131	--na--		-0.167 0.721 N=7			-0.263 0.292 N=18	0.034 0.809 N=54	0.044 0.678 N=93	0.302 0.000 N=136	0.033 0.705 N=137			-0.544 0.265 N=6	0.125 0.145 N=137	

(1st value [redacted]ion coefficient 2nd value = p-value 3rd value = sample size --na--=insufficient data)

Appendix E-overall. NATIONAL CORRELATION ANALYSIS RESULTS
GROUND WATER

	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01068-(UG/L AS NI)	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 223-EDI PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 228-TOTAL-P09507-(PCI/L)	RADIUM 228-EDI PE-P04103-(PCI/G)	RADON 222-PE-P72020-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01148-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(UMOS/CM @ 25C)	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 234-DISSOLVED-P22503-(PCI/L)	URANIUM 238-DISSOLVED-P22503-(PCI/L)
ALKALINITY-D FE-P33033-(MG/L AS CACO3)	-0.047 0.941 N=5	-0.011 0.908 N=124		0.865 0.000 N=17	0.025 0.484 N=788		0.304 0.236 N=17	0.061 0.184 N=522	0.062 0.000 N=2003	-0.308 0.368 N=10	-0.092 0.008 N=824	-0.117 0.000 N=2635			-0.265 0.829 N=3	-0.265 0.829 N=3			0.405 0.246 N=10	0.075 0.836 N=10	0.304 0.000 N=437		. N=17	0.140 0.000 N=2594	0.297 0.000 N=2190	0.637 0.000 N=59	-0.284 0.644 N=5	0.013 0.914 N=74	-0.664 0.150 N=6	-0.958 0.003 N=6
ANTIMONY-DISSOLVED-P01023-(UG/L AS SB)	0.058 0.324 N=287	0.107 0.003 N=798		-0.069 0.418 N=85	0.366 0.000 N=2827		0.291 0.002 N=116	-0.090 0.026 N=613	-0.004 0.838 N=2333	-0.948 0.000 N=83	-0.097 0.000 N=2369	-0.025 0.186 N=2804			0.070 0.521 N=87	0.067 0.545 N=83			-0.009 0.714 N=1490	-0.025 0.333 N=1523	0.190 0.000 N=2727		0.946 0.000 N=101	0.097 0.000 N=2736	0.522 0.000 N=2780	0.059 0.134 N=640	0.782 0.000 N=79	0.034 0.330 N=841	0.339 0.014 N=52	0.745 0.000 N=52
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	-0.016 0.707 N=459	0.372 0.001 N=73		0.285 0.000 N=363	0.049 0.434 N=256		0.234 0.000 N=461	-0.422 0.005 N=43	-0.017 0.844 N=130	0.246 0.001 N=196	0.324 0.000 N=189	-0.024 0.625 N=428									-0.055 0.509 N=149		0.938 0.000 N=452	-0.022 0.648 N=448	-0.012 0.818 N=388	0.456 0.000 N=228	0.840 0.000 N=346	 N=22	-0.229 0.663 N=6	-0.244 0.641 N=6
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	-0.057 0.256 N=403	-0.001 0.942 N=3167		-0.096 0.337 N=101	-0.005 0.744 N=4941		-0.245 0.001 N=190	-0.020 0.420 N=1600	0.000 0.975 N=8387	0.054 0.514 N=146	-0.021 0.128 N=5109	0.074 0.000 N=9564		0.050 0.712 N=56	-0.208 0.023 N=119	-0.128 0.111 N=156			-0.023 0.256 N=2550	-0.022 0.267 N=2592	0.000 0.998 N=7099		-0.472 0.000 N=198	0.063 0.000 N=9493	0.017 0.101 N=9291	0.009 0.802 N=752	-0.513 0.000 N=133	-0.028 0.361 N=1066	-0.098 0.308 N=110	-0.041 0.670 N=110
* ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																														
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.017 0.615 N=883	-0.040 0.684 N=108		0.080 0.024 N=800	-0.011 0.841 N=311		0.072 0.058 N=691	-0.169 0.017 N=199	-0.018 0.750 N=385	0.074 0.217 N=279	-0.083 0.128 N=337	0.043 0.175 N=984		0.081 0.784 N=14		0.069 0.762 N=14			0.613 0.004 N=20	0.057 0.796 N=23	-0.171 0.010 N=227		0.032 0.325 N=954	0.035 0.287 N=927	-0.013 0.712 N=851	-0.048 0.471 N=229	0.195 0.000 N=347	-0.105 0.458 N=52	-0.247 0.637 N=6	-0.263 0.615 N=6
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	-0.097 0.022 N=553	-0.031 0.127 N=2399		0.326 0.000 N=221	-0.017 0.170 N=6177		-0.077 0.164 N=325	0.045 0.060 N=1502	-0.012 0.358 N=6057	-0.063 0.299 N=277	-0.072 0.000 N=5072	-0.018 0.111 N=7727		-0.064 0.648 N=53	0.515 0.000 N=136	0.372 0.000 N=170			-0.099 0.000 N=1871	-0.060 0.000 N=1912	-0.048 0.001 N=4844		0.052 0.347 N=325	0.063 0.000 N=7736	-0.050 0.000 N=7384	-0.033 0.399 N=639	0.097 0.135 N=239	-0.034 0.202 N=1372	-0.052 0.559 N=130	-0.064 0.473 N=130
BARIUM-SUSPENDED-P01003-(UG/L AS BA)	--na--			--na--	--na--		--na--				--na--	--na--											--na--	--na--				--na--		
BARIUM-TOTAL-P01007-(UG/L AS BA)	0.024 0.508 N=770	0.076 0.463 N=98		0.093 0.017 N=662	0.018 0.813 N=174		0.060 0.201 N=462	-0.068 0.249 N=174	0.040 0.459 N=354	0.133 0.128 N=132	-0.149 0.022 N=234	-0.045 0.233 N=695									-0.065 0.302 N=148		0.009 0.811 N=700	0.363 0.000 N=517	-0.029 0.486 N=583	0.003 0.972 N=191	0.067 0.310 N=231	-0.097 0.526 N=45	 N=6	 N=6
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.306 0.000 N=541	-0.009 0.672 N=2048		0.202 0.002 N=236	0.748 0.000 N=5803		0.139 0.011 N=337	0.036 0.220 N=1192	0.227 0.000 N=4917	0.890 0.000 N=209	0.004 0.780 N=4339	-0.152 0.000 N=6056		-0.020 0.888 N=53	0.062 0.473 N=135	0.062 0.427 N=169			0.187 0.000 N=1832	0.229 0.000 N=1872	0.043 0.006 N=4230		0.410 0.000 N=313	0.254 0.000 N=5963	0.380 0.295 N=5715	-0.037 0.000 N=709	0.385 0.000 N=239	0.038 0.194 N=1195	0.466 0.000 N=130	0.118 0.183 N=130
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0.221 0.000 N=527	-0.425 0.000 N=78		0.567 0.000 N=482	-0.020 0.752 N=264		0.412 0.000 N=570	-0.020 0.908 N=36	0.056 0.541 N=121	0.210 0.001 N=251	-0.008 0.897 N=269	0.003 0.938 N=582		 N=14		 N=14			0.767 0.000 N=17	0.324 0.204 N=17	-0.471 0.000 N=151		0.154 0.000 N=571	-0.093 0.027 N=561	-0.006 0.888 N=531	-0.617 0.000 N=171	0.118 0.033 N=328	0.309 0.071 N=35	 N=6	 N=6
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0.644 0.000 N=551	-0.002 0.909 N=3005		0.114 0.093 N=218	0.121 0.000 N=6207		0.065 0.249 N=320	0.008 0.822 N=1474	0.040 0.001 N=7566	0.196 0.004 N=214	-0.016 0.276 N=4809	-0.182 0.000 N=8831		0.182 0.181 N=56	0.066 0.320 N=136	0.084 0.274 N=173			0.177 0.000 N=2531	0.213 0.000 N=2574	-0.001 0.903 N=6751		0.559 0.000 N=319	0.102 0.000 N=8864	0.189 0.005 N=8691	0.102 0.000 N=752	0.546 0.000 N=239	0.036 0.187 N=1349	0.504 0.000 N=130	0.122 0.167 N=130
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																														
CADMIUM-TOTAL-P01027-(UG/L AS CD)	0.087 0.007 N=951	0.160 0.029 N=187		0.097 0.004 N=898	0.396 0.000 N=378		0.656 0.000 N=648	0.147 0.058 N=168	-0.022 0.648 N=459	0.096 0.122 N=258	-0.122 0.023 N=350	-0.253 0.000 N=953		. N=46	. N=31	-0.059 0.608 N=77			0.068 0.750 N=26	0.084 0.684 N=26	-0.102 0.068 N=283		0.070 0.037 N=883	-0.082 0.023 N=774	0.270 0.000 N=918	0.679 0.000 N=254	0.443 0.000 N=305	-0.041 0.829 N=30	-0.304 0.054 N=41	-0.350 0.025 N=41
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	-0.007 0.675 N=577	0.023 0.202 N=3004		0.149 0.020 N=244	0.542 0.000 N=6246		0.307 0.000 N=348	-0.000 0.996 N=1499	-0.001 0.947 N=7705	-0.480 0.000 N=271	0.075 0.000 N=4564	-0.002 0.810 N=9306		-0.032 0.819 N=53	0.044 0.614 N=137	0.035 0.652 N=171			0.234 0.000 N=2518	0.284 0.000 N=2561	-0.000 0.969 N=6739		0.728 0.000 N=331	0.019 0.073 N=9339	0.015 0.168 N=8647	0.146 0.000 N=758	0.855 0.000 N=239	-0.011 0.687 N=1396	0.566 0.000 N=131	0.192 0.028 N=131
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0.073 0.787 N=16	-0.016 0.800 N=201		. N=39	-0.227 0.006 N=134		0.096 0.565 N=38	-0.021 0.822 N=115	-0.068 0.089 N=625		-0.049 0.506 N=189	-0.024 0.462 N=914		. N=3	--na--	. N=3			. N=3	. N=3	-0.001 0.980 N=284		0.245 0.360 N=16	-0.019 0.571 N=916	-0.010 0.831 N=460	. N=42		. N=3	--na--	--na--
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																														
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.075 0.020 N=959	0.219 0.004 N=169		0.213 0.000 N=1006	0.148 0.004 N=371		0.626 0.000 N=798	-0.106 0.128 N=209	0.043 0.274 N=639	-0.085 0.159 N=277	0.090 0.118 N=300	-0.224 0.000 N=1059			--na--				0.857 0.345 N=3	0.858 0.343 N=3	0.049 0.423 N=273		0.386 0.000 N=926	-0.097 0.004 N=883	-0.014 0.650 N=1056	0.069 0.306 N=221	0.309 0.000 N=328	-0.096 0.499 N=52	-0.226 0.626 N=7	-0.167 0.721 N=7
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0.019 0.797 N=182	0.752 0.000 N=738		-0.035 0.807 N=52	0.835 0.000 N=317		-0.008 0.948 N=63	0.694 0.000 N=86	0.971 0.000 N=1048	. N=11	-0.161 0.003 N=336	-0.001 0.980 N=1219			. N=8	. N=8			0.005 0.906 N=533	-0.017 0.699 N=535	0.053 0.085 N=1080		0.757 0.000 N=67	0.394 0.000 N=1185	0.555 0.000 N=1129	0.020 0.725 N=298	0.127 0.320 N=83	-0.052 0.643 N=81		
CYANIDE-TOTAL-P00720-(MG/L AS CN)	0.379 0.000 N=374	-1.000 0.000 N=30		0.483 0.000 N=445	0.099 0.198 N=170		0.818 0.000 N=321	-0.247 0.025 N=82	0.009 0.902 N=212	-0.136 0.028 N=282	-0.233 0.012 N=118	-0.250 0.000 N=527							. N=17	. N=17	-0.656 0.000 N=53		0.577 0.000 N=469	-0.068 0.098 N=353	-0.125 0.005 N=507	0.000 1.000 N=23	0.919 0.000 N=174	0.359 0.001 N=76		
DEPTH BELOW LAND-P72019-(FEET)	-0.018 0.654 N=618	-0.007 0.836 N=819		-0.122 0.035 N=298	-0.004 0.856 N=1966		-0.048 0.466 N=229	0.006 0.788 N=2370	-0.001 0.919 N=7801	0.071 0.251 N=265	-0.008 0.513 N=7004	-0.018 0.041 N=12417		. N=4	0.094 0.809 N=9	0.111 0.746 N=11			-0.022 0.367 N=1546	-0.009 0.733 N=1574	-0.008 0.716 N=2289		-0.093 0.097 N=323	0.013 0.118 N=14024	-0.004 0.726 N=7926	-0.212 0.005 N=175	-0.191 0.019 N=152	-0.013 0.707 N=852	-0.245 0.327 N=18	-0.263 0.292 N=18
DEPTH OF WELL-P72008-(FEET)	-0.074 0.005 N=1411	-0.018 0.368 N=2568		-0.160 0.000 N=884	-0.007 0.629 N=4913		-0.166 0.000 N=669	-0.069 0.000 N=4581	-0.041 0.000 N=20068	-0.077 0.043 N=692	0.035 0.000 N=17864	0.321 0.000 N=37008		0.198 0.066 N=76	-0.209 0.032 N=106	0.110 0.168 N=160			-0.038 0.011 N=4368	-0.019 0.209 N=4444	-0.029 0.021 N=6499		-0.229 0.000 N=783	0.014 0.002 N=48226	-0.023 0.001 N=22549	0.217 0.000 N=619	-0.144 0.017 N=274	-0.086 0.000 N=1905	0.032 0.816 N=54	0.034 0.809 N=54
DISSOLVED SOLIDS-P70301-(MG/L)	0.543 0.000 N=612	0.011 0.571 N=2639		-0.049 0.401 N=294	0.145 0.000 N=4834		0.125 0.021 N=342	0.132 0.000 N=2803	0.297 0.000 N=15478	-0.031 0.513 N=434	-0.055 0.000 N=10695	-0.026 0.000 N=19518		0.049 0.653 N=66	0.610 0.000 N=74	0.361 0.000 N=142			-0.033 0.043 N=3826	-0.021 0.190 N=3862	0.124 0.000 N=6665		0.131 0.014 N=352	0.978 0.000 N=19725	0.377 0.000 N=20719	-0.001 0.968 N=416	-0.008 0.906 N=204	0.025 0.294 N=1790	0.106 0.313 N=93	0.044 0.678 N=93
HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	0.500 0.000 N=1098	0.060 0.001 N=2959		-0.032 0.558 N=341	0.302 0.000 N=6135		0.133 0.005 N=445	0.125 0.000 N=3460	0.265 0.000 N=17234	-0.040 0.334 N=598	-0.075 0.000 N=12901	-0.042 0.000 N=23588		0.015 0.890 N=92	0.333 0.000 N=147	0.168 0.013 N=220			0.075 0.000 N=4175	0.142 0.000 N=4224	0.128 0.000 N=7241		0.287 0.000 N=464	0.691 0.000 N=24144	0.624 0.000 N=23939	-0.021 0.614 N=570	-0.076 0.224 N=257	0.074 0.001 N=2203	0.591 0.000 N=136	0.302 0.000 N=136
IRON-DISSOLVED-P01046-(UG/L AS FE)	0.631 0.000 N=886	-0.011 0.551 N=2914		-0.018 0.819 N=171	0.565 0.000 N=6154		0.158 0.008 N=278	-0.013 0.475 N=3122	-0.005 0.508 N=16708	-0.102 0.068 N=284	-0.034 0.000 N=12228	-0.125 0.000 N=20859		-0.041 0.701 N=92	-0.042 0.613 N=147	-0.030 0.856 N=220			0.068 0.000 N=4153	0.105 0.000 N=4194	-0.005 0.656 N=7116		0.311 0.000 N=277	0.070 0.000 N=21183	0.273 0.000 N=20681	0.248 0.000 N=569	-0.021 0.772 N=187	0.034 0.131 N=2032	0.140 0.103 N=137	0.033 0.705 N=137

(1st value = correlation coefficient 2nd value = p-value 3rd value = sample size --na--=insufficient data)

Appendix E-overall. NATIONAL CORRELATION ANALYSIS RESULTS
GROUND WATER

	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 228-DISSOLVED-P09510-(PCI/L)	RADIUM 228-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 228-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04108-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22703-(PCI/L)
IRON-FERROUS-P01047-(UG/L)	0.912 0.000 N=116	. N=39			0.808 0.000 N=75			-0.187 0.397 N=28	0.045 0.582 N=151		-0.126 0.139 N=140	-0.464 0.000 N=195									0.428 0.000 N=77			-0.026 0.719 N=195	0.818 0.000 N=174			0.030 0.876 N=30		
IRON-SUSPENDED-P01044-(UG/L AS FE)	--na--			--na--	--na--		--na--				--na--	--na--											--na--	--na--				--na--		
IRON-TOTAL-P01045-(UG/L AS FE)	0.840 0.000 N=1729	-0.063 0.304 N=266		0.168 0.000 N=924	0.897 0.000 N=556		0.468 0.000 N=713	-0.093 0.123 N=278	0.017 0.579 N=1104	0.007 0.912 N=271	-0.161 0.000 N=962	-0.250 0.000 N=1929		-0.240 0.389 N=15		-0.244 0.381 N=15			-0.071 0.415 N=132	-0.067 0.430 N=141	-0.113 0.022 N=411		0.091 0.008 N=831	0.084 0.000 N=1781	0.491 0.000 N=1959	0.033 0.535 N=353	0.160 0.004 N=326	0.154 0.018 N=243	-0.498 0.315 N=6	-0.544 0.265 N=6
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)		-0.006 0.723 N=3077		-0.024 0.706 N=245	0.774 0.000 N=6267		0.127 0.019 N=342	-0.011 0.528 N=3054	0.001 0.869 N=16422	-0.092 0.170 N=225	-0.011 0.238 N=12113	-0.114 0.000 N=20509		0.358 0.001 N=92	-0.002 0.980 N=147	0.064 0.347 N=220			0.169 0.000 N=4152	0.228 0.000 N=4192	-0.004 0.729 N=7235		0.285 0.000 N=345	0.076 0.000 N=20780	0.336 0.000 N=20209	-0.117 0.002 N=697	-0.079 0.226 N=239	0.041 0.065 N=2008	0.469 0.000 N=137	0.125 0.145 N=137
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)		. N=5		--na--	. N=7		--na--				-0.627 0.183 N=6	0.231 0.619 N=7			-0.995 0.000 N=5						. N=5		--na--	-0.530 0.222 N=7	-0.598 0.287 N=5			-0.124 0.791 N=7		
MANGANESE-TOTAL-P01055 (UG/L AS MN)		-0.037 0.538 N=282		0.192 0.000 N=796	0.752 0.000 N=529		0.184 0.000 N=606	-0.146 0.018 N=263	-0.002 0.948 N=990	0.037 0.590 N=217	-0.179 0.000 N=856	-0.227 0.000 N=1481		0.521 0.046 N=15	0.230 0.214 N=31	-0.003 0.986 N=46			-0.183 0.043 N=155	-0.111 0.155 N=164	-0.090 0.059 N=436		0.157 0.000 N=831	0.347 0.000 N=1231	0.687 0.000 N=1423	0.084 0.121 N=344	0.115 0.037 N=327	0.322 0.003 N=83	0.103 0.549 N=36	0.134 0.435 N=36
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	-0.037 0.538 N=282				0.354 0.000 N=1975		0.330 0.002 N=87	0.321 0.000 N=443	0.360 0.000 N=2438	-1.000 0.000 N=11	0.002 0.926 N=1847	-0.057 0.002 N=3071		-0.025 0.853 N=56	0.546 0.000 N=118	0.430 0.000 N=155			-0.062 0.158 N=521	-0.035 0.419 N=524	0.090 0.000 N=2724		0.627 0.000 N=108	0.045 0.014 N=2997	0.034 0.066 N=3006	-0.077 0.067 N=562	0.284 0.021 N=66	-0.035 0.512 N=345	-0.037 0.732 N=88	-0.021 0.846 N=88
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																													
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0.192 0.000 N=796				0.033 0.841 N=197		0.676 0.000 N=659	-0.248 0.001 N=175	0.299 0.000 N=527	0.184 0.005 N=231	-0.026 0.704 N=210	-0.368 0.000 N=867			0.751 0.085 N=6	0.742 0.091 N=6			0.030 0.940 N=9	-0.451 0.223 N=9	0.119 0.235 N=101		0.303 0.000 N=791	-0.124 0.001 N=705	-0.006 0.867 N=846	0.408 0.000 N=143	0.233 0.000 N=245	-0.134 0.437 N=38	-0.167 0.721 N=7	-0.184 0.693 N=7
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0.752 0.000 N=529	0.384 0.000 N=1975		0.033 0.841 N=197				0.035 0.234 N=1188	0.111 0.000 N=4835	-0.118 0.055 N=263	-0.004 0.773 N=4156	-0.117 0.000 N=5958			0.061 0.463 N=134	0.045 0.565 N=168			0.146 0.000 N=1838	0.150 0.000 N=1879	-0.007 0.665 N=4287		0.511 0.000 N=301	0.104 0.000 N=6009	0.263 0.000 N=5789	0.273 0.000 N=640	0.174 0.007 N=239	0.037 0.170 N=1349	0.470 0.000 N=130	0.134 0.129 N=130
NICKEL-SUSPENDED-P01066 (UG/L AS NI)																													
NICKEL-TOTAL-P01067-(UG/L AS NI)	0.184 0.000 N=608	0.330 0.002 N=87		0.676 0.000 N=659				-0.444 0.001 N=56	-0.008 0.899 N=281	0.028 0.660 N=255	0.105 0.090 N=262	-0.411 0.000 N=746							0.933 0.234 N=3	0.934 0.232 N=3	-0.157 0.029 N=195		0.336 0.000 N=678	-0.047 0.203 N=727	0.242 0.000 N=700	0.199 0.003 N=221	0.194 0.000 N=328	0.507 0.001 N=40	-0.200 0.704 N=6	-0.222 0.673 N=6
NITROGEN-NITRATE-P00618-(MG/L AS N)	-0.146 0.018 N=263	0.321 0.000 N=443		-0.248 0.001 N=175	0.035 0.234 N=1188		-0.444 0.001 N=56		0.236 0.000 N=4453	0.197 0.078 N=81	-0.068 0.000 N=2753	-0.008 0.867 N=4855		-0.475 0.525 N=4	0.227 0.287 N=24	0.192 0.338 N=27			0.008 0.865 N=516	-0.009 0.832 N=554	0.454 0.000 N=1181		0.312 0.000 N=179	0.307 0.000 N=4987	0.098 0.000 N=4100	0.353 0.000 N=128	0.104 0.563 N=33	-0.051 0.305 N=409	0.781 0.013 N=9	0.726 0.037 N=9
NITROGEN-NITRITE-P00613-(MG/L AS N)	-0.002 0.948 N=990	0.360 0.000 N=2438		0.299 0.000 N=527	0.111 0.000 N=4835		-0.008 0.899 N=281	0.236 0.000 N=4453			-0.034 0.000 N=12066	0.017 0.013 N=21570		-0.150 0.464 N=24	0.030 0.737 N=126	0.033 0.898 N=145			0.046 0.003 N=4131	0.005 0.749 N=4135	0.184 0.000 N=6093		0.697 0.000 N=333	0.191 0.000 N=21688	0.357 0.000 N=17788	0.127 0.009 N=423	. N=27	0.015 0.520 N=1788	0.312 0.003 N=89	0.266 0.012 N=89
NITROGEN-NITRITE-P00615-(MG/L AS N)	0.037 0.590 N=217	-1.000 0.000 N=11		0.184 0.005 N=231	-0.118 0.055 N=263		0.028 0.660 N=255	0.197 0.078 N=81			0.023 0.689 N=297	-0.150 0.000 N=737				-0.761 0.000 N=87			-0.022 0.724 N=271	-0.032 0.404 N=694	-0.027 0.510 N=602	. N=23	0.112 0.115 N=198	. N=78		
OXYGEN-DISSOLVED-P00300-(MG/L)	-0.179 0.000 N=856	0.002 0.926 N=1847		-0.026 0.704 N=210	-0.004 0.773 N=4156		0.105 0.090 N=262	-0.068 0.000 N=2753	-0.034 0.000 N=12066	0.023 0.689 N=297		-0.034 0.000 N=21265		0.014 0.903 N=76	0.340 0.001 N=86	0.050 0.545 N=148			0.104 0.000 N=3542	0.076 0.000 N=3573	-0.001 0.948 N=3904		0.186 0.001 N=302	-0.054 0.000 N=21145	-0.036 0.000 N=12535	-0.282 0.000 N=609	0.432 0.000 N=187	-0.026 0.297 N=1657	-0.084 0.461 N=80	0.132 0.242 N=80
PH WH-FIELD-P00400-(STANDARD UNITS)	-0.227 0.000 N=1481	-0.057 0.002 N=3071		-0.368 0.000 N=867	-0.117 0.000 N=5958		-0.411 0.000 N=746	-0.008 0.667 N=4855	0.017 0.013 N=21570	-0.150 0.000 N=737	-0.034 0.000 N=21265			-0.410 0.000 N=97	-0.374 0.000 N=132	-0.268 0.000 N=215			-0.212 0.000 N=4733	-0.192 0.000 N=4773	0.014 0.000 N=7565		-0.155 0.000 N=894	0.034 0.000 N=42943	-0.053 0.000 N=24014	-0.393 0.000 N=811	0.108 0.055 N=327	0.015 0.477 N=2193	-0.545 0.000 N=129	-0.129 0.144 N=129
RADIUM 226-BM PE-P04107-(PCI/G)																													
RADIUM 228-DISSOLVED-P09510-(PCI/L)	0.521 0.046 N=15	-0.025 0.853 N=56			. N=53			-0.475 0.525 N=4	-0.150 0.484 N=24		0.014 0.903 N=76	-0.410 0.000 N=97							-0.157 0.314 N=43	-0.118 0.459 N=43	-0.118 0.388 N=56			0.170 0.095 N=98	-0.028 0.791 N=92	. N=44		-0.240 0.846 N=3	. N=5	. N=5
RADIUM 228-DISSOLVED-P09511-(PCI/L)	0.230 0.214 N=31	0.546 0.000 N=118		0.751 0.085 N=6	0.061 0.483 N=134			0.227 0.287 N=24	0.030 0.737 N=126		0.340 0.001 N=86	-0.374 0.000 N=132							-0.062 0.541 N=100	-0.075 0.460 N=100	0.366 0.002 N=72			0.447 0.000 N=133	0.421 0.000 N=139	0.895 0.000 N=11		-0.292 0.005 N=93	0.068 0.676 N=40	0.466 0.002 N=40
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	-0.003 0.986 N=46	0.430 0.000 N=155		0.742 0.091 N=6	0.045 0.565 N=168			0.192 0.338 N=27	0.033 0.698 N=145		0.050 0.545 N=146	-0.266 0.000 N=215							-0.087 0.308 N=140	-0.059 0.485 N=140	0.127 0.186 N=110			0.209 0.002 N=217	0.199 0.004 N=213	0.632 0.000 N=55		-0.185 0.106 N=78	0.060 0.693 N=45	0.476 0.001 N=45
RADIUM 228-TOTAL-P09507-(PCI/L)																													
RADIUM 228-BM PE-P04108-(PCI/G)																													
RADON 222-PE-P76002-(PCI/L)	-0.163 0.043 N=155	-0.062 0.158 N=521		0.030 0.940 N=9	0.146 0.000 N=1838		0.933 0.234 N=3	0.008 0.516 N=516	0.046 0.003 N=4131		0.104 0.000 N=3542	-0.212 0.000 N=4733		-0.157 0.314 N=43	-0.082 0.541 N=100	-0.087 0.308 N=140					-0.023 0.271 N=2212		. N=3	0.001 0.961 N=4771	0.147 0.000 N=4255	. N=123	0.901 0.286 N=3	-0.048 0.170 N=834	0.132 0.171 N=110	0.039 0.688 N=110
RADON 222-TOTAL-P82303-(PCI/L)	-0.111 0.155 N=164	-0.035 0.419 N=524		-0.451 0.223 N=9	0.150 0.000 N=1879		0.934 0.232 N=3	-0.009 0.832 N=554	0.005 0.749 N=4135		0.078 0.000 N=3573	-0.192 0.000 N=4773		-0.118 0.459 N=43	-0.075 0.460 N=100	-0.059 0.485 N=140					-0.019 0.355 N=2255		. N=3	0.017 0.240 N=4811	0.200 0.000 N=4295	. N=123	0.950 0.201 N=3	-0.028 0.427 N=832	0.052 0.587 N=111	0.001 0.988 N=111

(1st value [illegible] on coefficient 2nd value = p-value 3rd value = sample size --na--=insufficient data)

Appendix E-overall. NATIONAL CORRELATION ANALYSIS RESULTS
GROUND WATER

	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01068-(UG/L AS NI)	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 228-BM PE-P04107-(PCI/G)	RADIUM 228-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01146-(UG/L AS SE)	SELENIUM-SUSPENDED-P01148-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
SELENIUM-DISSOLVED-P01146-(UG/L AS SE)	-0.090 0.059 N=436	0.090 0.000 N=2724		0.119 0.235 N=101	-0.007 0.665 N=4287		-0.157 0.029 N=195	0.454 0.000 N=1161	0.164 0.000 N=6093	-0.761 0.000 N=87	-0.001 0.948 N=3904	0.014 0.222 N=7565		-0.118 0.386 N=56	0.366 0.002 N=72	0.127 0.186 N=110			-0.023 0.271 N=2212	-0.019 0.355 N=2255				0.275 0.000 N=7484	0.121 0.000 N=7222	-0.034 0.372 N=681	-0.261 0.002 N=133	-0.011 0.724 N=1000	-0.115 0.208 N=122	-0.072 0.433 N=122
SELENIUM-SUSPENDED-P01148-(UG/L AS SE)																													
SELENIUM-TOTAL-P01147-(UG/L AS SE)	0.157 0.000 N=831	0.627 0.000 N=108		0.303 0.000 N=791	0.511 0.000 N=301		0.336 0.000 N=678	0.312 0.000 N=179	0.697 0.000 N=333	-0.022 0.724 N=271	0.186 0.001 N=302	-0.155 0.000 N=894							. . N=3	. . N=3				0.037 0.314 N=730	0.259 0.000 N=736	0.274 0.000 N=221	0.829 0.000 N=328	0.081 0.568 N=52	1.000 0.000 N=6	0.998 0.000 N=6
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.347 0.000 N=1231	0.045 0.014 N=2997		-0.124 0.001 N=705	0.104 0.000 N=6009		-0.047 0.203 N=727	0.307 0.000 N=4987	0.191 0.000 N=21686	-0.032 0.404 N=694	-0.054 0.000 N=21145	0.034 0.000 N=42943		0.170 0.095 N=98	0.447 0.000 N=133	0.209 0.002 N=217			0.001 0.961 N=4771	0.017 0.240 N=4811	0.275 0.000 N=7484			0.037 0.314 N=730	0.461 0.000 N=24643	-0.009 0.808 N=771	0.116 0.031 N=347	0.021 0.312 N=2307	0.135 0.123 N=131	0.063 0.478 N=131
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0.687 0.000 N=1423	0.034 0.068 N=3006		-0.006 0.867 N=846	0.263 0.000 N=5789		0.242 0.000 N=700	0.098 0.000 N=4100	0.357 0.000 N=17788	-0.027 0.510 N=602	-0.036 0.000 N=12535	-0.053 0.000 N=24014		-0.028 0.791 N=92	0.421 0.000 N=139	0.199 0.004 N=213			0.147 0.000 N=4255	0.200 0.000 N=4295	0.121 0.000 N=7222			0.259 0.000 N=736	0.461 0.000 N=24643	-0.012 0.743 N=715	-0.051 0.416 N=260	0.012 0.576 N=2214	0.598 0.000 N=137	0.230 0.007 N=137
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0.084 0.121 N=344	-0.077 0.067 N=562		0.406 0.000 N=143	0.273 0.000 N=640		0.199 0.003 N=221	0.353 0.000 N=128	0.127 0.009 N=423	. . N=23	-0.282 0.000 N=609	-0.393 0.000 N=811		. . N=44	0.895 0.000 N=11	0.632 0.000 N=55			. . N=123	. . N=123	-0.034 0.372 N=681			0.274 0.000 N=221	-0.009 0.806 N=771	-0.012 0.743 N=715		0.031 0.696 N=165	0.252 0.548 N=8	0.935 0.001 N=8
THALLIUM-TOTAL-P01059-(UG/L AS TL)	0.115 0.037 N=327	0.284 0.021 N=68		0.233 0.000 N=245	0.174 0.007 N=239		0.194 0.000 N=328	0.104 0.563 N=33	. . N=27	0.112 0.115 N=198	0.432 0.000 N=187	0.108 0.055 N=327							0.901 0.288 N=3	0.950 0.201 N=3	-0.261 0.002 N=133			0.829 0.000 N=328	0.116 0.031 N=347	-0.051 0.418 N=260		. . N=22		
TURBIDITY-P00076-(NTU)	0.322 0.003 N=83	-0.035 0.512 N=345		-0.134 0.437 N=36	0.037 0.170 N=1349		0.507 0.001 N=40	-0.051 0.305 N=409	0.015 0.520 N=1788	. . N=76	-0.026 0.297 N=1657	0.015 0.477 N=2193		-0.240 0.846 N=3	-0.292 0.005 N=93	-0.185 0.105 N=78			-0.048 0.170 N=834	-0.028 0.427 N=832	-0.011 0.724 N=1000			0.061 0.568 N=52	0.021 0.312 N=2307	0.012 0.576 N=2214	0.031 0.696 N=165	. . N=22		N=5	0.000 1.000 N=5
URANIUM 235-DISSOLVED-P22620-(PCI/L)	0.103 0.549 N=36	-0.037 0.732 N=88		-0.167 0.721 N=7	0.470 0.000 N=130		-0.200 0.704 N=6	0.781 0.013 N=9	0.312 0.003 N=89		-0.064 0.461 N=80	-0.545 0.000 N=129		. . N=5	0.068 0.676 N=40	0.060 0.693 N=45			0.132 0.171 N=110	0.052 0.587 N=111	-0.115 0.206 N=122			1.000 0.000 N=6	0.135 0.123 N=131	0.598 0.000 N=137	0.252 0.548 N=8		N=5		0.529 0.000 N=141
URANIUM 238-DISSOLVED-P22603-(PCI/L)	0.134 0.435 N=36	-0.021 0.846 N=88		-0.184 0.693 N=7	0.134 0.129 N=130		-0.222 0.673 N=6	0.726 0.027 N=9	0.266 0.012 N=89		0.132 0.242 N=80	-0.129 0.144 N=129		N=5	0.456 0.002 N=40	0.476 0.001 N=45			0.039 0.688 N=110	0.001 0.988 N=111	-0.072 0.433 N=122			0.998 0.000 N=6	0.063 0.478 N=131	0.230 0.007 N=137	0.935 0.001 N=8		0.000 1.000 N=5	0.529 0.000 N=141	

(1st value = correlation coefficient 2nd value = p-value 3rd value = sample size --na--=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)		0.185 0.027 N=143	0.269 0.078 N=44	0.159 0.000 N=1367		0.125 0.000 N=813	0.277 0.000 N=1921		-0.193 0.012 N=170	0.050 0.105 N=1068	-0.014 0.749 N=512	-0.061 0.024 N=1378		-0.050 0.123 N=948	-0.009 0.737 N=1331			-0.302 0.000 N=787
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0.185 0.027 N=143			0.433 0.000 N=2543		0.076 0.044 N=710	0.983 0.000 N=3638		-0.059 0.465 N=154	0.999 0.000 N=3644	-0.172 0.003 N=288	0.999 0.000 N=3675		0.071 0.058 N=723	0.999 0.000 N=3676	0.182 0.501 N=16		0.040 0 323 N=607
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0.269 0.078 N=44			0.246 0.000 N=272		0.329 0.000 N=896	-0.030 0.529 N=444		-0.018 0.758 N=280	0.155 0.004 N=337	0.020 0.582 N=751	0.248 0.000 N=350		0.763 0.000 N=663	0.136 0.004 N=451			-0.005 0.889 N=844
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0.159 0.000 N=1367	0.433 0.000 N=2543	0.246 0.000 N=272				0.413 0.000 N=6436		0.103 0.029 N=455	0.432 0.000 N=5019	0.141 0.001 N=580	0.469 0.000 N=8319		-0.011 0.563 N=2544	0.425 0.000 N=7369	-0.015 0.805 N=292		0 054 0.025 N=1733
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.125 0.000 N=813	0.076 0.044 N=710	0.329 0.000 N=896				-0.022 0.207 N=3226		0.257 0.000 N=2803	-0.017 0.393 N=2428	0.117 0.000 N=4516	-0.014 0.383 N=4113		0.074 0.000 N=7715	-0.008 0.655 N=3401	-0.008 0.878 N=337		0.091 0.000 N=7392
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.277 0.000 N=1921	0.983 0.000 N=3638	-0.030 0.529 N=444	0.413 0.000 N=6436		-0.022 0.207 N=3226				0.947 0.000 N=13135	-0.084 0.000 N=7228	0.943 0.000 N=14660		-0.090 0.000 N=8336	0.923 0.000 N=14725	-0.075 0.451 N=103		-0.081 0.000 N=8231
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)	-0.193 0.012 N=170	-0.059 0.465 N=154	-0.018 0.758 N=280	0.103 0.029 N=455		0.257 0.000 N=2803				-0.027 0.025 N=6748	0.233 0.000 N=7328	-0.016 0.189 N=6967		0.008 0.463 N=7788	0.019 0.107 N=7069	-0.060 0.696 N=45		0.498 0.000 N=7987
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.050 0.105 N=1068	0.999 0.000 N=3644	0.155 0.004 N=337	0.432 0.000 N=5019		-0.017 0.393 N=2428	0.947 0.000 N=13135		-0.027 0.025 N=6748			0.998 0.000 N=13350		0.588 0.000 N=7546	0.990 0.000 N=13283	-0.115 0.124 N=180		0.133 0.000 N=7473
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	-0.014 0.749 N=512	-0.172 0.003 N=288	0.020 0.582 N=751	0.141 0.001 N=580		0.117 0.000 N=4516	-0.084 0.000 N=7228		0.233 0.000 N=7328			0.273 0.000 N=7222		0.005 0.618 N=9630	0.064 0.000 N=7155	-0.085 0.189 N=241		0.410 0.000 N=9724
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	-0.061 0.024 N=1378	0.999 0.000 N=3675	0.248 0.000 N=350	0.469 0.000 N=8319		-0.014 0.383 N=4113	0.943 0.000 N=14660		-0.016 0.189 N=6967	0.998 0.000 N=13350	0.273 0.000 N=7222				0.987 0.000 N=17522	-0.127 0.000 N=778		0.301 0 000 N=9232
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)	-0.050 0.123 N=948	0.071 0.058 N=723	0.763 0.000 N=663	-0.011 0.563 N=2544		0.074 0.000 N=7715	-0.090 0.000 N=8336		0.008 0.463 N=7788	0.588 0.000 N=7546	0.005 0.618 N=9630				0.516 0.000 N=9195	-0.008 0.821 N=870		0.311 0.000 N=13672
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	-0.009 0.737 N=1331	0.999 0.000 N=3676	0.136 0.004 N=451	0.425 0.000 N=7369		-0.008 0.655 N=3401	0.923 0.000 N=14725		0.019 0.107 N=7069	0.990 0.000 N=13283	0.064 0.000 N=7155	0.987 0.000 N=17522		0.516 0.000 N=9195				

(1st val[illegible]lation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)		0.182 0.501 N=16		-0.015 0.805 N=292		-0.008 0.878 N=337	-0.075 0.451 N=103		-0.060 0.696 N=45	-0.115 0.124 N=180	-0.085 0.189 N=241	-0.127 0.000 N=778		-0.008 0.821 N=870				
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	-0.302 0.000 N=787	0.040 0.323 N=607	-0.005 0.889 N=844	0.054 0.025 N=1733		0.091 0.000 N=7392	-0.081 0.000 N=8231		0.498 0.000 N=7987	0.133 0.000 N=7473	0.410 0.000 N=9724	0.301 0.000 N=9232		0.311 0.000 N=13672				
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	. . N=8	-0.083 0.389 N=111	0.000 1.000 N=9	-0.013 0.829 N=288		-0.031 0.686 N=169	0.346 0.000 N=208		0.000 1.000 N=29	0.108 0.284 N=100	0.000 1.000 N=8	-0.084 0.156 N=288		-0.061 0.467 N=145	0.190 0.006 N=207	. . N=10		0.013 0.885 N=126
CYANIDE-TOTAL-P00720-(MG/L AS CN)	-0.042 0.338 N=514	0.240 0.001 N=204	0.275 0.000 N=349	0.034 0.415 N=568		0.068 0.000 N=3545	0.005 0.800 N=2478		-0.002 0.923 N=2426	-0.003 0.877 N=2468	0.023 0.169 N=3496	-0.003 0.891 N=2512		0.005 0.760 N=3805	0.003 0.879 N=2433	-0.020 0.727 N=300		0.008 0.634 N=3976
DEPTH BELOW LAND-P72019-(FEET)		--na--		-0.379 0.402 N=7			-0.218 0.860 N=3			-0.571 0.613 N=3		-0.378 0.403 N=7			-0.374 0.409 N=7			--na--
DEPTH OF WELL-P72008-(FEET)	-0.003 0.992 N=14	-0.951 0.200 N=3		-0.466 0.293 N=7			-0.565 0.144 N=8			-0.408 0.315 N=8		-0.388 0.343 N=8			-0.357 0.385 N=8			--na--
DISSOLVED SOLIDS-P70301-(MG/L)	0.055 0.000 N=7542	0.600 0.000 N=3212	-0.077 0.131 N=386	0.253 0.000 N=8218		0.017 0.191 N=6239	0.272 0.000 N=12625		0.051 0.011 N=2537	0.624 0.000 N=7332	-0.139 0.000 N=4136	0.250 0.000 N=11015		0.203 0.000 N=7288	0.427 0.000 N=9469	-0.065 0.313 N=242		0.010 0.430 N=6119
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.172 0.000 N=7622	0.092 0.000 N=3572	-0.083 0.046 N=571	-0.000 0.973 N=9852		-0.001 0.917 N=7614	0.187 0.000 N=18987		0.010 0.363 N=7691	0.299 0.000 N=13384	-0.248 0.000 N=9510	0.126 0.000 N=18894		0.133 0.000 N=13937	0.191 0.000 N=16854	-0.115 0.001 N=877		-0.021 0.020 N=12505
IRON-DISSOLVED-P01046-(UG/L AS FE)	-0.259 0.000 N=4915	0.464 0.000 N=3406	-0.012 0.794 N=441	0.001 0.957 N=9122		-0.005 0.743 N=4510	0.013 0.071 N=18870		-0.021 0.068 N=7330	0.090 0.000 N=13209	0.370 0.000 N=7519	0.105 0.000 N=17489		0.765 0.000 N=11012	0.178 0.000 N=15951	-0.009 0.798 N=808		0.155 0.000 N=9574
IRON-FERROUS-P01047-(UG/L)		-0.427 0.113 N=15		. . N=8			-0.222 0.426 N=15			-0.264 0.342 N=15		0.094 0.740 N=15			-0.277 0.318 N=15			
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)	-0.052 0.360 N=315	-0.058 0.096 N=818	-0.052 0.191 N=629	-0.013 0.521 N=2412		0.407 0.000 N=6649	-0.047 0.000 N=8380		0.408 0.000 N=7849	0.386 0.000 N=7514	0.262 0.000 N=8485	0.427 0.000 N=10330		0.570 0.000 N=12491	0.155 0.000 N=9193	0.052 0.185 N=643		0.408 0.000 N=11812
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	-0.052 0.000 N=4912	0.096 0.000 N=3670	-0.044 0.331 N=482	0.022 0.036 N=8876		-0.007 0.636 N=4262	0.050 0.000 N=19046		-0.018 0.132 N=7251	0.083 0.000 N=13307	0.271 0.000 N=7392	0.090 0.000 N=17602		0.392 0.000 N=10699	0.084 0.000 N=15989	0.002 0.966 N=617		0.058 0.000 N=9246
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)				-0.304 0.507 N=7			-0.025 0.958 N=7			. . N=7		. . N=7			. . N=7			

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	-0.032 0.593 N=286	0.090 0.016 N=720	-0.062 0.131 N=587	-0.058 0.005 N=2321		0.115 0.000 N=6078	0.005 0.636 N=8273		0.164 0.000 N=7631	0.336 0.000 N=7432	0.216 0.000 N=8312	0.280 0.000 N=10118		0.400 0.000 N=11737	0.088 0.000 N=8890	0.028 0.472 N=643		0.160 0.000 N=11079
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0.001 0.975 N=1112	0.007 0.847 N=672	0.332 0.000 N=221	0.880 0.000 N=5283		0.008 0.768 N=1305	-0.016 0.391 N=2911		-0.018 0.738 N=348	-0.008 0.703 N=2204	-0.006 0.889 N=509	0.844 0.000 N=4297		0.057 0.047 N=1210	0.051 0.002 N=3763	-0.026 0.716 N=204		0.008 0.785 N=1121
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	-0.024 0.507 N=787	0.082 0.049 N=573	0.677 0.000 N=618	0.096 0.000 N=1723		0.027 0.029 N=6695	0.038 0.003 N=6067		0.183 0.000 N=5773	0.050 0.000 N=5570	0.120 0.000 N=7522	-0.029 0.015 N=6938		-0.013 0.176 N=10087	-0.071 0.000 N=6311	-0.018 0.747 N=306		0.118 0.000 N=9952
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	-0.024 0.309 N=1786	0.993 0.000 N=3636	-0.032 0.606 N=263	0.059 0.000 N=5952		-0.018 0.325 N=3101	0.167 0.000 N=17668		-0.022 0.069 N=6946	0.231 0.000 N=13199	0.364 0.000 N=7203	0.253 0.000 N=15058		0.767 0.000 N=9054	0.272 0.000 N=14903	-0.025 0.473 N=801		0.159 0.000 N=8847
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)	0.031 0.415 N=683	0.022 0.592 N=590	-0.032 0.354 N=852	-0.008 0.767 N=1286		0.084 0.000 N=6690	-0.024 0.036 N=7958		0.082 0.000 N=7796	0.664 0.000 N=7460	0.150 0.000 N=9738	0.736 0.000 N=8834		0.693 0.000 N=12301	0.211 0.000 N=8701	0.004 0.904 N=824		0.334 0.000 N=12794
NITROGEN-NITRATE-P00618-(MG/L AS N)	0.284 0.000 N=4108	-0.011 0.675 N=1467	-0.162 0.014 N=227	-0.035 0.078 N=2595		-0.071 0.001 N=2166	0.093 0.000 N=4731		-0.074 0.099 N=502	0.004 0.839 N=2587	0.109 0.000 N=1183	-0.074 0.000 N=3736		-0.070 0.001 N=2511	0.048 0.004 N=3558	-0.107 0.028 N=421		-0.053 0.007 N=2594
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.074 0.000 N=6678	-0.014 0.442 N=2877	-0.104 0.054 N=343	0.000 0.973 N=5961		0.001 0.954 N=3566	0.032 0.001 N=9957		-0.031 0.342 N=914	0.009 0.517 N=5103	0.042 0.080 N=1733	-0.030 0.008 N=7796		-0.033 0.030 N=4415	0.068 0.000 N=7231	0.005 0.902 N=698		0.014 0.375 N=4049
NITROGEN-NITRITE-P00615-(MG/L AS N)	-0.176 0.002 N=311	-0.102 0.166 N=184	-0.043 0.621 N=134	-0.006 0.877 N=694		0.042 0.078 N=1783	0.012 0.721 N=926		0.011 0.919 N=85	0.062 0.162 N=512	0.078 0.015 N=989	-0.005 0.853 N=1276		0.004 0.855 N=2098	0.033 0.403 N=660	-0.001 0.987 N=225		0.073 0.001 N=1918
OXYGEN-DISSOLVED-P00300-(MG/L)	0.047 0.000 N=6651	-0.076 0.000 N=3302	0.028 0.489 N=632	-0.022 0.053 N=7581		0.034 0.004 N=6844	-0.019 0.011 N=17485		-0.034 0.003 N=7780	-0.015 0.093 N=12113	-0.035 0.001 N=8851	-0.015 0.049 N=17202		-0.005 0.596 N=13413	-0.014 0.071 N=15964	-0.002 0.957 N=854		0.006 0.498 N=12939
PH WH-FIELD-P00400-(STANDARD UNITS)	0.383 0.000 N=7962	0.042 0.013 N=3579	-0.138 0.000 N=867	0.033 0.001 N=10021		0.070 0.000 N=8558	0.090 0.000 N=18752		-0.032 0.005 N=7881	-0.042 0.000 N=13247	-0.108 0.000 N=9485	-0.049 0.000 N=19215		-0.229 0.000 N=15174	-0.094 0.000 N=17316	-0.070 0.040 N=866		-0 138 0.000 N=13955
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)				N=7		--na--	-0.176 0.626 N=10			N=10		N=10		N=7	N=10			
RADIUM 226-DISSOLVED-P09511-(PCI/L)	0.148 0.236 N=66	0.052 0.794 N=28	-0.477 0.417 N=5	0.752 0.000 N=74		0.859 0.000 N=60	0.143 0.001 N=512		0.233 0.445 N=13	0.092 0.554 N=44	-0.161 0.617 N=12	0.055 0.618 N=85		-0.050 0.687 N=67	-0.068 0.539 N=85			-0 015 0.908 N=63

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0.043 0.743 N=61	0.049 0.804 N=28	. . N=3	0.731 0.000 N=68		0.850 0.000 N=57	0.167 0.000 N=475		-0.194 0.568 N=11	-0.181 0.245 N=43	-0.113 0.755 N=10	0.064 0.571 N=81		-0.073 0.553 N=69	0.106 0.345 N=81			-0.020 0.884 N=58
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04108-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)	0.514 0.656 N=3	-0.211 0.238 N=33		-0.101 0.542 N=39			-0.186 0.258 N=39			0.112 0.505 N=38		0.006 0.972 N=39		--na--	0.073 0.659 N=39			
RADON 222-TOTAL-P82303-(PCI/L)	0.684 0.520 N=3	-0.178 0.323 N=33		-0.087 0.598 N=39			-0.156 0.341 N=39			-0.050 0.765 N=38		0.060 0.717 N=39		--na--	0.069 0.677 N=39			
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0.028 0.231 N=1862	0.521 0.000 N=2355	0.773 0.000 N=306	0.291 0.000 N=8195		0.008 0.719 N=2035	0.319 0.000 N=9731		0.021 0.624 N=566	0.419 0.000 N=4416	0.051 0.145 N=815	0.343 0.000 N=7302		0.391 0.000 N=2048	0.354 0.000 N=6721	-0.055 0.306 N=353		0.337 0.000 N=1934
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)	-0.003 0.936 N=743	0.717 0.000 N=503	0.221 0.000 N=798	0.108 0.000 N=1846		0.031 0.010 N=6732	-0.091 0.000 N=2880		0.031 0.109 N=2645	0.027 0.215 N=2174	-0.036 0.015 N=4427	0.125 0.000 N=3201		0.224 0.000 N=6317	0.427 0.000 N=3141	-0.017 0.787 N=263		0.151 0.000 N=6503
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.065 0.000 N=8300	0.828 0.000 N=3422	-0.193 0.000 N=886	0.363 0.000 N=10018		-0.005 0.661 N=8661	0.500 0.000 N=18643		0.035 0.002 N=7932	0.800 0.000 N=13137	-0.067 0.000 N=9534	0.565 0.000 N=18212		0.102 0.000 N=14915	0.566 0.000 N=16273	-0.031 0.355 N=868		-0.007 0.426 N=13376
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0.074 0.000 N=7653	0.728 0.000 N=3511	-0.137 0.001 N=631	0.185 0.000 N=9318		0.007 0.517 N=7652	0.439 0.000 N=16742		0.021 0.108 N=5795	0.538 0.000 N=11061	0.033 0.004 N=7418	0.497 0.000 N=16675		0.214 0.000 N=12409	0.551 0.000 N=15101	-0.022 0.520 N=838		0.019 0.044 N=11341
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	--na--	0.528 0.000 N=280	0.734 0.000 N=69	0.816 0.000 N=309		0.101 0.333 N=93	-0.406 0.000 N=287		-0.196 0.226 N=40	0.785 0.000 N=276	-0.280 0.022 N=67	0.872 0.000 N=310		0.716 0.000 N=89	0.688 0.000 N=310	. . N=12		0.065 0.550 N=88
THALLIUM-TOTAL-P01059-(UG/L AS TL)	0.147 0.003 N=413	0.238 0.120 N=44	0.997 0.000 N=321	0.357 0.004 N=63		0.470 0.000 N=993	-0.137 0.043 N=218		-0.076 0.303 N=187	0.168 0.017 N=202	0.216 0.000 N=945	0.223 0.015 N=118		0.316 0.000 N=846	-0.025 0.709 N=217	. . N=8		0.037 0.252 N=956
TURBIDITY-P00076-(NTU)	-0.044 0.040 N=2183	0.013 0.605 N=1536	0.024 0.733 N=197	-0.003 0.867 N=2751		0.083 0.000 N=3144	0.035 0.000 N=13936		0.422 0.000 N=6784	-0.001 0.893 N=9042	0.072 0.000 N=7381	-0.009 0.375 N=10403		-0.002 0.824 N=8461	-0.022 0.025 N=10076	0.144 0.030 N=229		0.145 0.000 N=8509
URANIUM 235-DISSOLVED-P22620-(PCI/L)	0.560 0.440 N=4	0.529 0.077 N=12	-0.273 0.305 N=16	0.560 0.037 N=14		-0.100 0.704 N=17	-0.310 0.196 N=19		-0.205 0.463 N=15	-0.078 0.758 N=18	. . N=16	0.441 0.059 N=19		-0.188 0.441 N=19	-0.696 0.001 N=19			-0.224 0.404 N=16
URANIUM 238-DISSOLVED-P22603-(PCI/L)	0.672 0.328 N=4	0.337 0.284 N=12	-0.347 0.188 N=16	0.518 0.058 N=14		-0.126 0.630 N=17	0.099 0.688 N=19		-0.277 0.318 N=15	-0.256 0.306 N=18	. . N=16	0.281 0.243 N=19		-0.192 0.432 N=19	-0.579 0.009 N=19			-0.295 0.268 N=16

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)	. . N=8	-0.042 0.338 N=514		-0.003 0.992 N=14	0.055 0.000 N=7542	0.172 0.000 N=7622	-0.259 0.000 N=4915			-0.052 0.360 N=315	-0.052 0.000 N=4912		-0.032 0.593 N=286	0.001 0.975 N=1112		-0.024 0.507 N=787	-0.024 0.309 N=1786	
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	-0.083 0.389 N=111	0.240 0.001 N=204	--na--	-0.951 0.200 N=3	0.600 0.000 N=3212	0.092 0.000 N=3572	0.464 0.000 N=3406	-0.427 0.113 N=15		-0.058 0.096 N=818	0.096 0.000 N=3670		0.090 0.016 N=720	0.007 0.847 N=672		0.082 0.049 N=573	0.993 0.000 N=3636	
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0.000 1.000 N=9	0.275 0.000 N=349			-0.077 0.131 N=386	-0.083 0.046 N=571	-0.012 0.794 N=441			-0.052 0.191 N=629	-0.044 0.331 N=482		-0.062 0.131 N=587	0.332 0.000 N=221		0.677 0.000 N=618	-0.032 0.606 N=263	
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	-0.013 0.829 N=288	0.034 0.415 N=568	-0.379 0.402 N=7	-0.466 0.293 N=7	0.253 0.000 N=8218	-0.000 0.973 N=9852	0.001 0.957 N=9122	. . N=8		-0.013 0.521 N=2412	0.022 0.036 N=8876	-0.304 0.507 N=7	-0.058 0.005 N=2321	0.880 0.000 N=5283		0.096 0.000 N=1723	0.059 0.000 N=5952	
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)	-0.031 0.686 N=169	0.068 0.000 N=3545			0.017 0.191 N=6239	-0.001 0.917 N=7614	-0.005 0.743 N=4510			0.407 0.000 N=6649	-0.007 0.636 N=4262		0.115 0.000 N=6078	0.008 0.768 N=1305		0.027 0.029 N=6695	-0.018 0.325 N=3101	
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.346 0.000 N=208	0.005 0.800 N=2478	-0.218 0.860 N=3	-0.565 0.144 N=8	0.272 0.000 N=12625	0.187 0.000 N=18987	0.013 0.071 N=18870	-0.222 0.426 N=15		-0.047 0.000 N=8380	0.050 0.000 N=19046	-0.025 0.958 N=7	0.005 0.636 N=8273	-0.016 0.391 N=2911		0.038 0.003 N=6067	0.167 0.000 N=17668	
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)	0.000 1.000 N=29	-0.002 0.923 N=2426			0.051 0.011 N=2537	0.010 0.363 N=7691	-0.021 0.068 N=7330			0.408 0.000 N=7849	-0.018 0.132 N=7251		0.164 0.000 N=7631	-0.018 0.738 N=348		0.183 0.000 N=5773	-0.022 0.069 N=6946	
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.108 0.284 N=100	-0.003 0.877 N=2468	-0.571 0.613 N=3	-0.408 0.315 N=8	0.624 0.000 N=7332	0.299 0.000 N=13384	0.090 0.000 N=13209	-0.264 0.342 N=15		0.386 0.000 N=7514	0.083 0.000 N=13307	. . N=7	0.336 0.000 N=7432	-0.008 0.703 N=2204		0.050 0.000 N=5570	0.231 0.000 N=13199	
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0.000 1.000 N=8	0.023 0.169 N=3496			-0.139 0.000 N=4136	-0.248 0.000 N=9510	0.370 0.000 N=7519			0.262 0.000 N=8485	0.271 0.000 N=7392		0.216 0.000 N=8312	-0.006 0.889 N=509		0.120 0.000 N=7522	0.364 0.000 N=7203	
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	-0.084 0.156 N=288	-0.003 0.891 N=2512	-0.378 0.403 N=7	-0.388 0.343 N=8	0.250 0.000 N=11015	0.126 0.000 N=18894	0.105 0.000 N=17489	0.094 0.740 N=15		0.427 0.000 N=10330	0.090 0.000 N=17602	. . N=7	0.280 0.000 N=10118	0.844 0.000 N=4297		-0.029 0.015 N=6938	0.253 0.000 N=15058	
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)	-0.061 0.467 N=145	0.005 0.760 N=3805			0.203 0.000 N=7288	0.133 0.000 N=13937	0.765 0.000 N=11012			0.570 0.000 N=12491	0.392 0.000 N=10699		0.400 0.000 N=11737	0.057 0.047 N=1210		-0.013 0.176 N=10087	0.767 0.000 N=9054	
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0.190 0.006 N=207	0.003 0.879 N=2433	-0.374 0.409 N=7	-0.357 0.385 N=8	0.427 0.000 N=9469	0.191 0.000 N=16854	0.178 0.000 N=15951	-0.277 0.318 N=15		0.155 0.000 N=9193	0.084 0.000 N=15989	. . N=7	0.088 0.000 N=8890	0.051 0.002 N=3763		-0.071 0.000 N=6311	0.272 0.000 N=14903	

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	. . N=10	-0.020 0.727 N=300			-0.065 0.313 N=242	-0.115 0.001 N=877	-0.009 0.798 N=808			0.052 0.185 N=643	0.002 0.966 N=617		0.028 0.472 N=643	-0.026 0.716 N=204		-0.018 0.747 N=306	-0.025 0.473 N=801	
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.013 0.885 N=126	0.008 0.634 N=3976	--na--	--na--	0.010 0.430 N=6119	-0.021 0.020 N=12505	0.155 0.000 N=9574			0.408 0.000 N=11812	0.058 0.000 N=9246		0.160 0.000 N=11079	0.008 0.785 N=1121		0.118 0.000 N=9952	0.159 0.000 N=8847	
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)			--na--	--na--	0.123 0.099 N=181	0.049 0.444 N=246	-0.025 0.674 N=289			-0.047 0.558 N=158	0.018 0.777 N=245		-0.055 0.498 N=153	-0.041 0.504 N=269		-0.081 0.422 N=101	-0.032 0.694 N=158	
CYANIDE-TOTAL-P00720-(MG/L AS CN)					0.002 0.894 N=2920	0.004 0.802 N=3875	-0.002 0.937 N=2655			-0.003 0.875 N=2784	-0.003 0.882 N=2538		-0.002 0.926 N=2719	-0.004 0.941 N=306		0.068 0.000 N=3336	0.000 0.995 N=2485	
DEPTH BELOW LAND-P72019-(FEET)	--na--			0.281 0.001 N=144	-0.107 0.728 N=13	0.070 0.812 N=14	-0.122 0.720 N=11			-0.324 0.532 N=6	0.523 0.099 N=11		0.889 0.111 N=4	. . N=5			-0.411 0.418 N=6	
DEPTH OF WELL-P72008-(FEET)	--na--		0.281 0.001 N=144		-0.358 0.230 N=13	-0.094 0.719 N=17	0.143 0.736 N=8			-0.961 0.177 N=3	-0.523 0.183 N=8			. . N=4			-0.426 0.341 N=7	
DISSOLVED SOLIDS-P70301-(MG/L)	0.123 0.099 N=181	0.002 0.894 N=2920	-0.107 0.728 N=13	-0.358 0.230 N=13		0.654 0.000 N=45639	0.211 0.000 N=33464	0.267 0.609 N=6		-0.012 0.303 N=6947	0.069 0.000 N=32479	-0.348 0.445 N=7	0.048 0.000 N=6543	0.009 0.511 N=4884		0.063 0.000 N=6341	0.275 0.000 N=12123	
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.049 0.444 N=246	0.004 0.802 N=3875	0.070 0.812 N=14	-0.094 0.719 N=17	0.654 0.000 N=45639		0.265 0.000 N=41692	-0.136 0.630 N=15		0.008 0.357 N=14258	0.207 0.000 N=40534	-0.234 0.613 N=7	0.176 0.000 N=13084	0.011 0.416 N=5388		0.027 0.008 N=10022	0.364 0.000 N=19024	
IRON-DISSOLVED-P01046-(UG/L AS FE)	-0.025 0.674 N=289	-0.002 0.937 N=2655	-0.122 0.720 N=11	0.143 0.736 N=8	0.211 0.000 N=33464	0.265 0.000 N=41692					0.183 0.000 N=41440	0.264 0.567 N=7	0.233 0.000 N=12030	0.353 0.000 N=4801		-0.009 0.458 N=7237	0.847 0.000 N=18801	
IRON-FERROUS-P01047-(UG/L)					0.267 0.609 N=6	-0.136 0.630 N=15					0.056 0.489 N=157		0.052 0.531 N=147	. . N=4			-0.341 0.213 N=15	
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)	-0.047 0.558 N=158	-0.003 0.875 N=2784	-0.324 0.532 N=6	-0.961 0.177 N=3	-0.012 0.303 N=6947	0.008 0.357 N=14258					0.215 0.000 N=12400		0.243 0.000 N=14997	0.005 0.862 N=1082		0.062 0.000 N=8588	0.644 0.000 N=8909	
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.018 0.777 N=245	-0.003 0.882 N=2538	0.523 0.099 N=11	-0.523 0.183 N=8	0.069 0.000 N=32479	0.207 0.000 N=40534	0.183 0.000 N=41440	0.056 0.489 N=157		0.215 0.000 N=12400				-0.004 0.764 N=4740		-0.003 0.808 N=6954	0.231 0.000 N=18827	
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)					-0.348 0.445 N=7	-0.234 0.613 N=7	0.264 0.567 N=7							. . N=7			. . N=7	

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	-0.055 0.498 N=153	-0.002 0.926 N=2719	0.889 0.111 N=4		0.048 0.000 N=6543	0.176 0.000 N=13084	0.233 0.000 N=12030	0.052 0.531 N=147		0.243 0.000 N=14997				-0.009 0.774 N=1113		0.011 0.314 N=8380	0.727 0.000 N=8610	
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	-0.041 0.504 N=269	-0.004 0.941 N=306	. . N=5	. . N=4	0.009 0.511 N=4884	0.011 0.416 N=5388	0.353 0.000 N=4801	. . N=4		0.005 0.862 N=1082	-0.004 0.764 N=4740	. . N=7	-0.009 0.774 N=1113				0.014 0.477 N=2719	
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	-0.081 0.422 N=101	0.068 0.000 N=3336			0.063 0.000 N=6341	0.027 0.008 N=10022	-0.009 0.458 N=7237			0.062 0.000 N=8588	-0.003 0.808 N=6954		0.011 0.314 N=8380				-0.008 0.530 N=6114	
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	-0.032 0.694 N=158	0.000 0.995 N=2485	-0.411 0.418 N=6	-0.426 0.341 N=7	0.275 0.000 N=12123	0.364 0.000 N=19024	0.847 0.000 N=18801	-0.341 0.213 N=15		0.644 0.000 N=8909	0.231 0.000 N=18827	. . N=7	0.727 0.000 N=8610	0.014 0.477 N=2719		-0.008 0.530 N=6114		
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)	-0.126 0.281 N=75	0.018 0.258 N=3862	--na--	--na--	0.480 0.000 N=5483	0.345 0.000 N=11837	0.812 0.000 N=9063			0.699 0.000 N=11238	0.710 0.000 N=8909		0.735 0.000 N=10487	0.068 0.047 N=856		0.007 0.523 N=9279		
NITROGEN-NITRATE-P00618-(MG/L AS N)	0.083 0.454 N=84	-0.013 0.672 N=993	-0.152 0.356 N=39	-0.042 0.721 N=75	0.059 0.000 N=18066	0.083 0.000 N=19461	-0.006 0.467 N=15102	--na--		-0.006 0.768 N=2815	0.003 0.758 N=14864		-0.007 0.716 N=2403	0.003 0.914 N=1554		-0.061 0.005 N=2063	-0.013 0.337 N=5055	
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.117 0.100 N=201	0.011 0.695 N=1333	-0.233 0.148 N=40	-0.361 0.001 N=86	0.060 0.000 N=33540	0.073 0.000 N=35940	-0.014 0.018 N=29062	. . N=9		0.002 0.899 N=4930	0.003 0.584 N=28370		-0.003 0.850 N=4288	-0.007 0.669 N=3700		0.030 0.085 N=3257	0.012 0.212 N=10360	
NITROGEN-NITRITE-P00615-(MG/L AS N)	-0.695 0.000 N=51	-0.015 0.698 N=666	. . N=14		0.025 0.087 N=4706	0.026 0.061 N=5171	-0.010 0.627 N=2331			0.007 0.742 N=2063	-0.004 0.859 N=2094		-0.001 0.978 N=1967	0.018 0.732 N=381		0 022 0.310 N=2164	-0.001 0.978 N=1124	
OXYGEN-DISSOLVED-P00300-(MG/L)	0.111 0.063 N=283	-0.008 0.641 N=3550	0.112 0.449 N=48	0.172 0.254 N=46	0.002 0.725 N=38785	0.014 0.002 N=49513	-0.000 0.971 N=37631	0.311 0.224 N=17		-0.001 0.869 N=14423	-0.000 0.971 N=36784	0.679 0.093 N=7	-0.001 0.918 N=13255	0.015 0.308 N=4547		-0.004 0.683 N=9854	-0.018 0 018 N=17540	
PH WH-FIELD-P00400-(STANDARD UNITS)	0.001 0.982 N=270	-0.000 0.995 N=4168	0.182 0.024 N=154	0.435 0.000 N=396	0.087 0.000 N=43940	0.113 0.000 N=55851	-0.397 0.000 N=41942	-0.174 0.028 N=160		-0.181 0.000 N=16057	-0.252 0.000 N=40992	0.024 0.959 N=7	-0.305 0.000 N=14842	0.011 0.431 N=5414		-0.002 0.819 N=10725	-0.466 0.000 N=18884	
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)					-0.059 0.870 N=10	-0.007 0.985 N=10	-0.122 0.737 N=10				-0.109 0.765 N=10			. . N=7		--na--	-0.111 0.760 N=10	
RADIUM 226-DISSOLVED-P09511-(PCI/L)		-0.048 0.837 N=21			0.221 0.000 N=584	0.209 0.000 N=612	0.003 0.953 N=548			-0.071 0.683 N=35	0.075 0.086 N=525	-0.482 0.273 N=7	-0.063 0.729 N=33	. . N=46		-0.025 0.829 N=77	0.095 0.033 N=507	

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)		-0.078 0.744 N=20			0.216 0.000 N=541	0.196 0.000 N=568	-0.012 0.796 N=509			0.080 0.670 N=31	0.009 0.842 N=487		0.127 0.503 N=30	. . N=40		-0.026 0.828 N=74	0.266 0.000 N=471	
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)				-0.696 0.017 N=11	0.097 0.464 N=59	0.289 0.018 N=67	-0.108 0.409 N=61				-0.097 0.462 N=60		--na--	-0.036 0.839 N=35			0.041 0.808 N=38	
RADON 222-TOTAL-P82303-(PCI/L)				-0.841 0.001 N=11	0.135 0.308 N=59	0.323 0.008 N=67	-0.139 0.284 N=61				-0.130 0.323 N=60		--na--	-0.079 0.653 N=35			0.070 0.678 N=38	
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0.076 0.201 N=285	0.051 0.270 N=473	--na--	-0.601 0.207 N=6	0.118 0.000 N=12473	0.215 0.000 N=13800	0.004 0.660 N=12266	-0.279 0.504 N=8		-0.039 0.076 N=2101	0.009 0.317 N=12247	. . N=7	-0.037 0.091 N=2105	0.144 0.000 N=5404		0.034 0.151 N=1784	0.103 0.000 N=9404	
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)	0.480 0.000 N=142	0.004 0.812 N=3269			0.444 0.000 N=5388	0.529 0.000 N=6488	0.028 0.088 N=3609			0.026 0.060 N=5090	-0.021 0.233 N=3368		-0.008 0.594 N=4816	0.013 0.632 N=1338		0.034 0.008 N=6017	0.015 0.410 N=2834	
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.094 0.107 N=292	-0.003 0.866 N=4206	-0.180 0.024 N=158	-0.235 0.000 N=408	0.964 0.000 N=44393	0.800 0.000 N=55450	0.173 0.000 N=41779	0.763 0.000 N=160		0.068 0.000 N=15918	0.085 0.000 N=40872	-0.341 0.454 N=7	0.071 0.000 N=14667	0.027 0.047 N=5552		0.021 0.027 N=10760	0.248 0.000 N=18755	
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	-0.023 0.724 N=244	-0.003 0.856 N=3954	-0.115 0.684 N=15	-0.282 0.257 N=18	0.542 0.000 N=45638	0.780 0.000 N=53760	0.645 0.000 N=39521	0.930 0.000 N=157		0.654 0.000 N=12307	0.209 0.000 N=38430	-0.329 0.471 N=7	0.369 0.000 N=11634	0.006 0.664 N=5135		0.035 0.001 N=8959	0.705 0.000 N=16599	
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0.252 0.144 N=35	0.079 0.492 N=78			-0.374 0.000 N=167	-0.559 0.000 N=339	0.376 0.000 N=314			-0.336 0.000 N=263	-0.009 0.877 N=314		-0.033 0.591 N=262	-0.091 0.449 N=72		0.311 0.016 N=59	0.240 0.000 N=285	
THALLIUM-TOTAL-P01059-(UG/L AS TL)	. . N=23	-0.012 0.733 N=846			0.120 0.001 N=738	0.090 0.009 N=856	0.042 0.551 N=208			-0.104 0.087 N=273	0.086 0.217 N=208		-0.156 0.010 N=273	-0.288 0.145 N=27		0.279 0.000 N=816	0.286 0.002 N=113	
TURBIDITY-P00076-(NTU)	-0.145 0.051 N=180	-0.002 0.926 N=2502	--na--	-0.343 0.777 N=3	0.004 0.643 N=13136	-0.010 0.151 N=19502	0.001 0.922 N=16388	0.987 0.105 N=3		0.292 0.000 N=9168	-0.004 0.637 N=16006	0.036 0.947 N=6	0.080 0.000 N=8895	-0.002 0.924 N=2015		0.085 0.000 N=6390	-0.009 0.288 N=13574	
URANIUM 235-DISSOLVED-P22620-(PCI/L)					0.040 0.863 N=21	-0.070 0.741 N=25	-0.085 0.685 N=25			-0.050 0.853 N=16	-0.102 0.627 N=25		-0.082 0.740 N=19	. . N=15		-0.037 0.888 N=17	-1.000 0.000 N=18	
URANIUM 238-DISSOLVED-P22603-(PCI/L)					0.128 0.581 N=21	0.049 0.815 N=25	-0.129 0.540 N=25			-0.051 0.852 N=16	-0.143 0.495 N=25		-0.105 0.670 N=19	. . N=15		-0.044 0.868 N=17	-0.724 0.001 N=18	

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0.031 0.415 N=683	0.284 0.000 N=4108	0.074 0.000 N=6678	-0.176 0.002 N=311	0.047 0.000 N=6651	0.383 0.000 N=7962			0.148 0.236 N=66	0.043 0.743 N=61			0.514 0.656 N=3	0.684 0.520 N=3	0.028 0.231 N=1862		-0.003 0.936 N=743	0.065 0.000 N=8300
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0.022 0.592 N=590	-0.011 0.675 N=1467	-0.014 0.442 N=2877	-0.102 0.166 N=184	-0.076 0.000 N=3302	0.042 0.013 N=3579			0.052 0.794 N=28	0.049 0.804 N=28			-0.211 0.238 N=33	-0.178 0.323 N=33	0.521 0.000 N=2355		0.717 0.000 N=503	0.828 0.000 N=3422
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	-0.032 0.354 N=852	-0.162 0.014 N=227	-0.104 0.054 N=343	-0.043 0.621 N=134	0.028 0.489 N=632	-0.138 0.000 N=867			-0.477 0.417 N=5	. . N=3					0.773 0.000 N=306		0.221 0.000 N=798	-0.193 0.000 N=886
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	-0.008 0.767 N=1286	-0.035 0.078 N=2595	0.000 0.973 N=5961	-0.006 0.877 N=694	-0.022 0.053 N=7581	0.033 0.001 N=10021		. . N=7	0.752 0.000 N=74	0.731 0.000 N=68			-0.101 0.542 N=39	-0.087 0.598 N=39	0.291 0.000 N=8195		0.108 0.000 N=1846	0.363 0.000 N=10018
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.084 0.000 N=6690	-0.071 0.001 N=2166	0.001 0.954 N=3566	0.042 0.078 N=1783	0.034 0.004 N=6844	0.070 0.000 N=8558		--na--	0.859 0.000 N=60	0.850 0.000 N=57					0.008 0.719 N=2035		0.031 0.010 N=6732	-0.005 0.661 N=8661
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	-0.024 0.036 N=7958	0.093 0.000 N=4731	0.032 0.001 N=9957	0.012 0.721 N=926	-0.019 0.011 N=17485	0.090 0.000 N=18752		-0.176 0.626 N=10	0.143 0.001 N=512	0.167 0.000 N=475			-0.186 0.258 N=39	-0.156 0.341 N=39	0.319 0.000 N=9731		-0.091 0.000 N=2880	0.500 0.000 N=18643
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)	0.082 0.000 N=7796	-0.074 0.099 N=502	-0.031 0.342 N=914	0.011 0.919 N=85	-0.034 0.003 N=7780	-0.032 0.005 N=7881			0.233 0.445 N=13	-0.194 0.568 N=11					0.021 0.624 N=566		0.031 0.109 N=2645	0.035 0.002 N=7932
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.664 0.000 N=7460	0.004 0.839 N=2587	0.009 0.517 N=5103	0.062 0.162 N=512	-0.015 0.093 N=12113	-0.042 0.000 N=13247		. . N=10	0.092 0.554 N=44	-0.181 0.245 N=43			0.112 0.505 N=38	-0.050 0.765 N=38	0.419 0.000 N=4416		0.027 0.215 N=2174	0.800 0.000 N=13137
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0.150 0.000 N=9738	0.109 0.000 N=1183	0.042 0.080 N=1733	0.078 0.015 N=989	-0.035 0.001 N=8851	-0.108 0.000 N=9485			-0.161 0.617 N=12	-0.113 0.755 N=10					0.051 0.145 N=815		-0.036 0.015 N=4427	-0.067 0.000 N=9534
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0.736 0.000 N=8834	-0.074 0.000 N=3736	-0.030 0.008 N=7796	-0.005 0.853 N=1276	-0.015 0.049 N=17202	-0.049 0.000 N=19215		. . N=10	0.055 0.618 N=85	0.064 0.571 N=81			0.006 0.972 N=39	0.060 0.717 N=39	0.343 0.000 N=7302		0.125 0.000 N=3201	0.565 0.000 N=18212
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)	0.693 0.000 N=12301	-0.070 0.001 N=2511	-0.033 0.030 N=4415	0.004 0.855 N=2098	-0.005 0.596 N=13413	-0.229 0.000 N=15174		. . N=7	-0.050 0.687 N=67	-0.073 0.553 N=69			--na--	--na--	0.391 0.000 N=2048		0.224 0.000 N=6317	0.102 0.000 N=14915
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0.211 0.000 N=8701	0.048 0.004 N=3558	0.068 0.000 N=7231	0.033 0.403 N=660	-0.014 0.071 N=15964	-0.094 0.000 N=17316		. . N=10	-0.068 0.539 N=85	0.106 0.345 N=81			0.073 0.659 N=39	0.069 0.677 N=39	0.354 0.000 N=6721		0.427 0.000 N=3141	0.566 0.000 N=16273

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0.004 0.904 N=824	-0.107 0.028 N=421	0.005 0.902 N=698	-0.001 0.987 N=225	-0.002 0.957 N=854	-0.070 0.040 N=866									-0.055 0.306 N=353		-0.017 0.787 N=263	-0.031 0.355 N=868
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.334 0.000 N=12794	-0.053 0.007 N=2594	0.014 0.375 N=4049	0.073 0.001 N=1918	0.006 0.498 N=12939	-0.138 0.000 N=13955			-0.015 0.908 N=63	-0.020 0.884 N=58					0.337 0.000 N=1934		0.151 0.000 N=6503	-0.007 0.426 N=13376
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	-0.126 0.281 N=75	0.083 0.454 N=84	0.117 0.100 N=201	-0.695 0.000 N=51	0.111 0.063 N=283	0.001 0.982 N=270									0.076 0.201 N=285		0.480 0.000 N=142	0.094 0.107 N=292
CYANIDE-TOTAL-P00720-(MG/L AS CN)	0.018 0 258 N=3862	-0.013 0.672 N=993	0.011 0.695 N=1333	-0.015 0.698 N=666	-0.008 0.641 N=3550	-0.000 0.995 N=4168			-0.048 0.837 N=21	-0.078 0.744 N=20					0.051 0.270 N=473		0.004 0 812 N=3269	-0.003 0.866 N=4206
DEPTH BELOW LAND-P72019-(FEET)	--na--	-0.152 0.356 N=39	-0.233 0.148 N=40	. . N=14	0.112 0.449 N=48	0.182 0.024 N=154									--na--			-0.180 0.024 N=158
DEPTH OF WELL-P72008-(FEET)	--na--	-0.042 0.721 N=75	-0.361 0.001 N=86		0.172 0.254 N=46	0.435 0.000 N=396							-0.696 0.017 N=11	-0.841 0.001 N=11	-0.601 0.207 N=6			-0.235 0.000 N=408
DISSOLVED SOLIDS-P70301-(MG/L)	0.480 0.000 N=5483	0.059 0.000 N=18066	0.060 0.000 N=33540	0.025 0.087 N=4706	0.002 0.725 N=38785	0.087 0.000 N=43940		-0.059 0.870 N=10	0.221 0.000 N=584	0.216 0.000 N=541			0.097 0.464 N=59	0.135 0.308 N=59	0.118 0.000 N=12473		0 444 0.000 N=5388	0.964 0.000 N=44393
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.345 0.000 N=11837	0.083 0.000 N=19461	0.073 0.000 N=35940	0.026 0.061 N=5171	0.014 0.002 N=49513	0.113 0.000 N=55851		-0.007 0.985 N=10	0.209 0.000 N=612	0.196 0.000 N=568			0.289 0.018 N=67	0.323 0.008 N=67	0.215 0.000 N=13800		0.529 0.000 N=6488	0.800 0.000 N=55450
IRON-DISSOLVED-P01046-(UG/L AS FE)	0.812 0.000 N=9063	-0.006 0.467 N=15102	-0.014 0.018 N=29062	-0.010 0.627 N=2331	-0.000 0.971 N=37631	-0.397 0.000 N=41942		-0.122 0.737 N=10	0.003 0.953 N=548	-0.012 0.796 N=509			-0.108 0.409 N=61	-0.139 0.284 N=61	0.004 0.660 N=12266		0.028 0.088 N=3609	0.173 0.000 N=41779
IRON-FERROUS-P01047-(UG/L)		--na--	. . N=9		0.311 0.224 N=17	-0.174 0.028 N=160									-0.279 0.504 N=8			0.763 0.000 N=160
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)	0.699 0.000 N=11238	-0.006 0.768 N=2815	0.002 0.899 N=4930	0.007 0.742 N=2063	-0.001 0.869 N=14423	-0.181 0.000 N=16057			-0.071 0.683 N=35	0.080 0.670 N=31					-0.039 0.076 N=2101		0.026 0.060 N=5090	0.068 0.000 N=15918
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.710 0.000 N=8909	0.003 0.758 N=14864	0.003 0.584 N=28370	-0.004 0.859 N=2094	-0.000 0.971 N=36784	-0.252 0.000 N=40992		-0.109 0.765 N=10	0.075 0.086 N=525	0.009 0.842 N=487			-0.097 0.462 N=60	-0.130 0.323 N=60	0.009 0.317 N=12247		-0.021 0.233 N=3368	0.085 0.000 N=40872
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)					0.679 0.093 N=7	0.024 0.959 N=7			-0.482 0.273 N=7						. . N=7			-0.341 0.454 N=7

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	0.735 0.000 N=10487	-0.007 0.716 N=2403	-0.003 0.850 N=4288	-0.001 0.978 N=1967	-0.001 0.918 N=13255	-0.305 0.000 N=14842			-0.063 0.729 N=33	0.127 0.503 N=30			--na--	--na--	-0.037 0.091 N=2105		-0.008 0.594 N=4816	0.071 0.000 N=14667
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0.068 0.047 N=856	0.003 0.914 N=1554	-0.007 0.669 N=3700	0.018 0.732 N=381	0.015 0.308 N=4547	0.011 0.431 N=5414		N=7	N=46	N=40			-0.036 0.839 N=35	-0.079 0.653 N=35	0.144 0.000 N=5404		0.013 0.632 N=1338	0.027 0.047 N=5552
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0.007 0.523 N=9279	-0.061 0.005 N=2063	0.030 0.085 N=3257	0.022 0.310 N=2164	-0.004 0.683 N=9854	-0.002 0.819 N=10725		--na--	-0.025 0.829 N=77	-0.026 0.828 N=74					0.034 0.151 N=1784		0.034 0.008 N=6017	0.021 0.027 N=10760
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		-0.013 0.337 N=5055	0.012 0.212 N=10360	-0.001 0.978 N=1124	-0.018 0.018 N=17540	-0.466 0.000 N=18884		-0.111 0.760 N=10	0.095 0.033 N=507	0.266 0.000 N=471			0.041 0.808 N=38	0.070 0.678 N=38	0.103 0.000 N=9404		0.015 0.410 N=2834	0.248 0.000 N=18755
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)		-0.078 0.000 N=2396	-0.018 0.285 N=3634	0.014 0.590 N=1561	-0.011 0.244 N=11510	-0.118 0.000 N=12459			-0.057 0.818 N=19	-0.039 0.885 N=16					0.007 0.797 N=1516		0.066 0.000 N=5865	0.266 0.000 N=12530
NITROGEN-NITRATE-P00618-(MG/L AS N)	-0.078 0.000 N=2396		0.278 0.000 N=27247	0.134 0.000 N=1606	0.002 0.799 N=23212	-0.004 0.530 N=25518			-0.027 0.725 N=175	-0.041 0.600 N=166			0.120 0.474 N=38	0.607 0.000 N=38	0.818 0.000 N=4707		-0.004 0.856 N=2130	0.109 0.000 N=25694
NITROGEN-NITRITE-P00613-(MG/L AS N)	-0.018 0.285 N=3634	0.278 0.000 N=27247			-0.008 0.095 N=41960	0.007 0.114 N=45592			0.021 0.620 N=575	0.018 0.680 N=534			-0.073 0.491 N=92	-0.100 0.343 N=92	0.144 0.000 N=10182		0.026 0.141 N=3336	0.123 0.000 N=46572
NITROGEN-NITRITE-P00615-(MG/L AS N)	0.014 0.590 N=1561	0.134 0.000 N=1606			-0.003 0.804 N=9369	0.030 0.004 N=9729			0.145 0.355 N=43	0.127 0.455 N=37					0.006 0.840 N=1159		0.042 0.125 N=1325	-0.002 0.847 N=9549
OXYGEN-DISSOLVED-P00300-(MG/L)	-0.011 0.244 N=11510	0.002 0.799 N=23212	-0.008 0.095 N=41960	-0.003 0.804 N=9369		-0.007 0.038 N=81314		N=7	-0.015 0.726 N=586	-0.009 0.832 N=538			-0.245 0.066 N=57	-0.229 0.087 N=57	-0.007 0.470 N=11908		0.069 0.000 N=6341	-0.000 0.996 N=79276
PH WH-FIELD-P00400-(STANDARD UNITS)	-0.118 0.000 N=12459	-0.004 0.530 N=25518	0.007 0.114 N=45592	0.030 0.004 N=9729	-0.007 0.038 N=81314			N=9	-0.003 0.946 N=609	0.005 0.904 N=563			0.071 0.499 N=93	-0.165 0.114 N=93	-0.015 0.078 N=14468		0.128 0.000 N=7164	0.018 0.000 N=95664
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)					N=7	N=9									-0.272 0.447 N=10			N=9
RADIUM 226-DISSOLVED-P09511-(PCI/L)	-0.057 0.818 N=19	-0.027 0.725 N=175	0.021 0.620 N=575	0.145 0.355 N=43	-0.015 0.726 N=586	-0.003 0.946 N=609							--na--	--na--	0.103 0.016 N=543		-0.023 0.845 N=75	0.198 0.000 N=615

(1st valu[illegible]ation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 228-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	-0.039 0.885 N=16	-0.041 0.600 N=166	0.018 0.680 N=534	0.127 0.455 N=37	-0.009 0.832 N=538	0.005 0.904 N=563							--na--	--na--	0.119 0.007 N=505		-0.017 0.888 N=71	0.192 0.000 N=569
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)		0.120 0.474 N=38	-0.073 0.491 N=92		-0.245 0.066 N=57	0.071 0.499 N=93			--na--	--na--					0.703 0.000 N=39			0.075 0.476 N=92
RADON 222-TOTAL-P82303-(PCI/L)		0.607 0.000 N=38	-0.100 0.343 N=92		-0.229 0.087 N=57	-0.165 0.114 N=93			--na--	--na--					0.807 0.000 N=39			0.108 0.304 N=92
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0.007 0.797 N=1516	0.818 0.000 N=4707	0.144 0.000 N=10182	0.006 0.840 N=1159	-0.007 0.470 N=11908	-0.015 0.078 N=14468		-0.272 0.447 N=10	0.103 0.016 N=543	0.119 0.007 N=505			0.703 0.000 N=39	0.807 0.000 N=39				0.128 0.000 N=14670
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)	0.066 0.000 N=5865	-0.004 0.856 N=2130	0.026 0.141 N=3336	0.042 0.125 N=1325	0.069 0.000 N=6341	0.128 0.000 N=7164			-0.023 0.845 N=75	-0.017 0.888 N=71								0.333 0.000 N=7335
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.266 0.000 N=12530	0.109 0.000 N=25694	0.123 0.000 N=46572	-0.002 0.847 N=9549	-0.000 0.996 N=79276	0.018 0.000 N=95664		N=9	0.198 0.000 N=615	0.192 0.000 N=569			0.075 0.476 N=92	0.108 0.304 N=92	0.128 0.000 N=14670		0.333 0.000 N=7335	
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0.456 0.000 N=10000	0.049 0.000 N=19654	0.059 0.000 N=36116	0.030 0.027 N=5420	0.002 0.721 N=48501	-0.116 0.000 N=54847		0.117 0.748 N=10	0.195 0.000 N=608	0.191 0.000 N=564			0.242 0.049 N=67	0.183 0.139 N=67	0.150 0.000 N=13477		0.581 0.000 N=6663	0.659 0.000 N=53834
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	-0.035 0.743 N=88	0.376 0.000 N=85	-0.239 0.011 N=112	-0.118 0.133 N=164	-0.028 0.626 N=306	-0.647 0.000 N=330		N=7	--na--	0.673 0.068 N=8					0.694 0.000 N=300		0.322 0.005 N=75	-0.129 0.098 N=167
THALLIUM-TOTAL-P01059-(UG/L AS TL)	0.150 0.000 N=950	-0.019 0.674 N=472	-0.140 0.001 N=577	-0.036 0.569 N=258	0.070 0.122 N=492	-0.102 0.002 N=915									0.010 0.945 N=50		0.156 0.000 N=958	-0.079 0.016 N=930
TURBIDITY-P00076-(NTU)	0.039 0.001 N=8059	-0.031 0.008 N=7450	-0.002 0.782 N=14049	0.016 0.357 N=3211	-0.001 0.922 N=27390	0.023 0.000 N=28056			-0.021 0.625 N=559	0.036 0.422 N=507					0.036 0.003 N=6797		0.060 0.002 N=2751	-0.004 0.475 N=29758
URANIUM 235-DISSOLVED-P22620-(PCI/L)	-0.133 0.624 N=16	--na--	-0.167 0.604 N=12		-0.097 0.805 N=9	0.222 0.321 N=22		--na--	-0.775 0.123 N=5	N=6			0.577 0.423 N=4	0.703 0.297 N=4	0.143 0.559 N=19		0.119 0.660 N=16	0.125 0.578 N=22
URANIUM 238-DISSOLVED-P22603-(PCI/L)	-0.154 0.568 N=16	--na--	-0.228 0.476 N=12		-0.101 0.796 N=9	0.317 0.151 N=22		--na--	-0.758 0.138 N=5	0.761 0.079 N=6			0.677 0.323 N=4	0.789 0.211 N=4	0.274 0.257 N=19		0.106 0.695 N=16	0.245 0.272 N=22

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0.074 0.000 N=7653	--na--	0.147 0.003 N=413	-0.044 0.040 N=2183	0.560 0.440 N=4	0.672 0.328 N=4
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0.728 0.000 N=3511	0.528 0.000 N=280	0.238 0.120 N=44	0.013 0.605 N=1536	0.529 0.077 N=12	0.337 0.284 N=12
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	-0.137 0.001 N=631	0.734 0.000 N=69	0.997 0.000 N=321	0.024 0.733 N=197	-0.273 0.305 N=16	-0.347 0.188 N=16
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0.185 0.000 N=9318	0.816 0.000 N=309	0.357 0.004 N=63	-0.003 0.867 N=2751	0.560 0.037 N=14	0.518 0.058 N=14
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)						
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.007 0.517 N=7652	0.101 0.333 N=93	0.470 0.000 N=993	0.083 0.000 N=3144	-0.100 0.704 N=17	-0.126 0.630 N=17
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.439 0.000 N=16742	-0.406 0.000 N=287	-0.137 0.043 N=218	0.035 0.000 N=13936	-0.310 0.196 N=19	0.099 0.688 N=19
BARIUM-SUSPENDED-P01006-(UG/L AS BA)						
BARIUM-TOTAL-P01007-(UG/L AS BA)	0.021 0.108 N=5795	-0.196 0.226 N=40	-0.076 0.303 N=187	0.422 0.000 N=6784	-0.205 0.463 N=15	-0.277 0.318 N=15
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.538 0.000 N=11061	0.785 0.000 N=276	0.168 0.017 N=202	-0.001 0.893 N=9042	-0.078 0.758 N=18	-0.256 0.306 N=18
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0.033 0.004 N=7418	-0.280 0.022 N=67	0.216 0.000 N=945	0.072 0.000 N=7381	. . N=16	. . N=16
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0.497 0.000 N=16675	0.872 0.000 N=310	0.223 0.015 N=118	-0.009 0.375 N=10403	0.441 0.059 N=19	0.281 0.243 N=19
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)						
CADMIUM-TOTAL-P01027-(UG/L AS CD)	0.214 0.000 N=12409	0.716 0.000 N=89	0.316 0.000 N=846	-0.002 0.824 N=8461	-0.188 0.441 N=19	-0.192 0.432 N=19
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0.551 0.000 N=15101	0.688 0.000 N=310	-0.025 0.709 N=217	-0.022 0.025 N=10076	-0.696 0.001 N=19	-0.579 0.009 N=19

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	-0.022 0.520 N=838	N=12	N=8	0.144 0.030 N=229		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)						
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.019 0.044 N=11341	0.065 0.550 N=88	0.037 0.252 N=956	0.145 0.000 N=8509	-0.224 0.404 N=16	-0.295 0.268 N=16
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	-0.023 0.724 N=244	0.252 0.144 N=35	N=23	-0.145 0.051 N=180		
CYANIDE-TOTAL-P00720-(MG/L AS CN)	-0.003 0.856 N=3954	0.079 0.492 N=78	-0.012 0.733 N=846	-0.002 0.926 N=2502		
DEPTH BELOW LAND-P72019-(FEET)	-0.115 0.684 N=15			--na--		
DEPTH OF WELL-P72008-(FEET)	-0.282 0.257 N=18			-0.343 0.777 N=3		
DISSOLVED SOLIDS-P70301-(MG/L)	0.542 0.000 N=45638	-0.374 0.000 N=167	0.120 0.001 N=738	0.004 0.643 N=13136	0.040 0.863 N=21	0.128 0.581 N=21
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.780 0.000 N=53760	-0.559 0.000 N=339	0.090 0.009 N=856	-0.010 0.151 N=19502	-0.070 0.741 N=25	0.049 0.815 N=25
IRON-DISSOLVED-P01046-(UG/L AS FE)	0.645 0.000 N=39521	0.376 0.000 N=314	0.042 0.551 N=208	0.001 0.922 N=16388	-0.085 0.685 N=25	-0.129 0.540 N=25
IRON-FERROUS-P01047-(UG/L)	0.930 0.000 N=157			0.987 0.105 N=3		
IRON-SUSPENDED-P01044-(UG/L AS FE)						
IRON-TOTAL-P01045-(UG/L AS FE)	0.654 0.000 N=12307	-0.336 0.000 N=263	-0.104 0.087 N=273	0.292 0.000 N=9168	-0.050 0.853 N=16	-0.051 0.852 N=16
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.209 0.000 N=38430	-0.009 0.877 N=314	0.086 0.217 N=208	-0.004 0.637 N=16006	-0.102 0.627 N=25	-0.143 0.495 N=25
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	-0.329 0.471 N=7			0.036 0.947 N=6		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	0.369 0.000 N=11634	-0.033 0.591 N=262	-0.156 0.010 N=273	0.080 0.000 N=8895	-0.082 0.740 N=19	-0.105 0.670 N=19
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0.006 0.664 N=5135	-0.091 0.449 N=72	-0.288 0.145 N=27	-0.002 0.924 N=2015	. . N=15	. . N=15
MERCURY-SUSPENDED-P71895-(UG/L AS HG)						
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0.035 0.001 N=8959	0.311 0.016 N=59	0.279 0.000 N=816	0.085 0.000 N=6390	-0.037 0.888 N=17	-0.044 0.868 N=17
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0.705 0.000 N=16599	0.240 0.000 N=285	0.286 0.002 N=113	-0.009 0.288 N=13574	-1.000 0.000 N=18	-0.724 0.001 N=18
NICKEL-SUSPENDED-P01066-(UG/L AS NI)						
NICKEL-TOTAL-P01067-(UG/L AS NI)	0.456 0.000 N=10000	-0.035 0.743 N=88	0.150 0.000 N=950	0.039 0.001 N=8059	-0.133 0.624 N=16	-0.154 0.568 N=16
NITROGEN-NITRATE-P00618-(MG/L AS N)	0.049 0.000 N=19654	0.376 0.000 N=85	-0.019 0.674 N=472	-0.031 0.008 N=7450	--na--	--na--
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.059 0.000 N=36116	-0.239 0.011 N=112	-0.140 0.001 N=577	-0.002 0.782 N=14049	-0.167 0.604 N=12	-0.228 0.476 N=12
NITROGEN-NITRITE-P00615-(MG/L AS N)	0.030 0.027 N=5420	-0.118 0.133 N=164	-0.036 0.569 N=258	0.016 0.357 N=3211		
OXYGEN-DISSOLVED-P00300-(MG/L)	0.002 0.721 N=48501	-0.028 0.626 N=306	0.070 0.122 N=492	-0.001 0.922 N=27390	-0.097 0.805 N=9	-0.101 0.796 N=9
PH WH-FIELD-P00400-(STANDARD UNITS)	-0.116 0.000 N=54847	-0.647 0.000 N=330	-0.102 0.002 N=915	0.023 0.000 N=28056	0.222 0.321 N=22	0.317 0.151 N=22
RADIUM 226-BM PE-P04107-(PCI/G)						
RADIUM 228-DISSOLVED-P09510-(PCI/L)	0.117 0.748 N=10	. . N=7			--na--	--na--
RADIUM 226-DISSOLVED-P09511-(PCI/L)	0.195 0.000 N=608	--na--		-0.021 0.625 N=559	-0.775 0.123 N=5	-0.758 0.138 N=5

(1st valu[illegible]ation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-overall.
National Correlation Analysis Results
Surface Water

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0.191 0.000 N=564	0.673 0.068 N=8		0.036 0.422 N=507	. . N=6	0.761 0.079 N=6
RADIUM 226-TOTAL-P09507-(PCI/L)						
RADIUM 228-BM PE-P04106-(PCI/G)						
RADON 222-PE-P76002-(PCI/L)	0.242 0.049 N=67				0.577 0.423 N=4	0.677 0.323 N=4
RADON 222-TOTAL-P82303-(PCI/L)	0.183 0.139 N=67				0.703 0.297 N=4	0.789 0.211 N=4
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0.150 0.000 N=13477	0.694 0.000 N=300	0.010 0.945 N=50	0.036 0.003 N=6797	0.143 0.559 N=19	0.274 0.257 N=19
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)						
SELENIUM-TOTAL-P01147-(UG/L AS SE)	0.581 0.000 N=6663	0.322 0.005 N=75	0.156 0.000 N=958	0.060 0.002 N=2751	0.119 0.660 N=16	0.106 0.695 N=16
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.659 0.000 N=53834	-0.129 0.098 N=167	-0.079 0.016 N=930	-0.004 0.475 N=29758	0.125 0.578 N=22	0.245 0.272 N=22
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		-0.263 0.000 N=344	-0.047 0.151 N=938	0.011 0.100 N=21275	-0.120 0.576 N=24	-0.038 0.862 N=24
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	-0.263 0.000 N=344			-0.270 0.237 N=21	. . N=9	0.000 1.000 N=9
THALLIUM-TOTAL-P01059-(UG/L AS TL)	-0.047 0.151 N=938			-0.077 0.704 N=27		
TURBIDITY-P00076-(NTU)	0.011 0.100 N=21275	-0.270 0.237 N=21	-0.077 0.704 N=27		--na--	--na--
URANIUM 235-DISSOLVED-P22620-(PCI/L)	-0.120 0.576 N=24	. . N=9		--na--		0.952 0.000 N=26
URANIUM 238-DISSOLVED-P22603-(PCI/L)	-0.038 0.862 N=24	0.000 1.000 N=9		--na--	0.952 0.000 N=26	

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na=insufficient data)

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ALKALINITY	0	P39036	CONDUCTANCE	P00095	2594	0.13978	0.0001
ANTIMONY	0	P01095	BERYLLIUM	P01010	2935	0.16581	0.0001
ANTIMONY	0	P01095	BERYLLIUM	P01012	98	-0.468	0.0001
ANTIMONY	0	P01097	BERYLLIUM	P01010	303	0.47221	0.0001
ANTIMONY	0	P01095	CADMIUM	P01027	87	0.32791	0.0019
ANTIMONY	0	P01097	CADMIUM	P01027	438	0.461	0.0001
ANTIMONY	0	P01095	CHROMIUM	P01030	2920	0.32964	0.0001
ANTIMONY	0	P01095	CHROMIUM	P01034	114	0.3737	0.0001
ANTIMONY	0	P01097	CHROMIUM	P01030	266	0.93534	0.0001
ANTIMONY	0	P01097	CHROMIUM	P01034	461	0.33479	0.0001
ANTIMONY	0	P01095	CONDUCTANCE	P00095	2736	0.09728	0.0001
ANTIMONY	0	P01095	CYANIDE	P00720	53	-0.68331	0.0001
ANTIMONY	0	P01097	CYANIDE	P00720	178	0.99895	0.0001
ANTIMONY	0	P01095	DEPTH-BELOW-LAN	P72019	1029	0.24349	0.0001
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	2369	-0.09713	0.0001
ANTIMONY	0	P01097	DISSOLVED-OXYGE	P00300	189	0.32406	0.0001
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	2360	0.26347	0.0001
ANTIMONY	0	P01095	HARDNESS	P00900	2689	0.44634	0.0001
ANTIMONY	0	P01097	HARDNESS	P00900	275	-0.17851	0.003
ANTIMONY	0	P01095	IRON	P01045	292	0.21065	0.0003
ANTIMONY	0	P01095	IRON	P01046	2698	0.65222	0.0001
ANTIMONY	0	P01095	IRON	P01047	75	0.34914	0.0021
ANTIMONY	0	P01097	IRON	P01045	449	0.18448	0.0001
ANTIMONY	0	P01095	MANGANESE	P01056	2871	0.17007	0.0001
ANTIMONY	0	P01095	MERCURY	P71890	796	0.10665	0.0026
ANTIMONY	0	P01097	MERCURY	P71890	73	0.37241	0.0012
ANTIMONY	0	P01097	MERCURY	P71900	363	0.28514	0.0001
ANTIMONY	0	P01095	NICKEL	P01065	2827	0.36643	0.0001
ANTIMONY	0	P01095	NICKEL	P01067	116	0.29066	0.0015
ANTIMONY	0	P01097	NICKEL	P01067	461	0.23447	0.0001
ANTIMONY	0	P01095	NITRITE	P00615	83	-0.94846	0.0001
ANTIMONY	0	P01097	NITRITE	P00615	198	0.24608	0.0005
ANTIMONY	0	P01095	SELENIUM	P01145	2727	0.18984	0.0001
ANTIMONY	0	P01095	SELENIUM	P01147	101	0.94559	0.0001
ANTIMONY	0	P01097	SELENIUM	P01147	452	0.93755	0.0001
ANTIMONY	0	P01095	THALLIUM	P01059	79	0.78218	0.0001
ANTIMONY	0	P01097	THALLIUM	P01057	228	0.45571	0.0001
ANTIMONY	0	P01097	THALLIUM	P01059	346	0.84047	0.0001
ANTIMONY	0	P01095	WELL-DEPTH	P72008	2326	-0.06687	0.0013
ANTIMONY	0	P01097	WELL-DEPTH	P72008	391	-0.17605	0.0005
ANTIMONY	6	P01097	ARSENIC	P01000	107	-0.81534	0.0001
ANTIMONY	6	P01097	BARIUM	P01005	108	0.70257	0.0001
ANTIMONY	6	P01095	BERYLLIUM	P01010	309	0.13359	0.0188
ANTIMONY	6	P01097	BERYLLIUM	P01010	108	0.25752	0.0071
ANTIMONY	6	P01097	BERYLLIUM	P01012	128	-0.22331	0.0113
ANTIMONY	6	P01095	CADMIUM	P01025	309	0.13798	0.0152
ANTIMONY	6	P01097	CADMIUM	P01025	108	0.94587	0.0001
ANTIMONY	6	P01097	CADMIUM	P01027	129	0.48275	0.0001
ANTIMONY	6	P01095	CHROMIUM	P01030	307	0.44398	0.0001
ANTIMONY	6	P01097	CHROMIUM	P01030	108	0.99125	0.0001
ANTIMONY	6	P01095	CYANIDE	P00723	121	-0.32047	0.0003
ANTIMONY	6	P01097	DEPTH-BELOW-LAN	P72019	19	-0.61831	0.0048
ANTIMONY	6	P01095	DISSOLVED-OXYGE	P00300	271	0.24493	0.0001
ANTIMONY	6	P01097	DISSOLVED-OXYGE	P00300	102	0.63487	0.0001
ANTIMONY	6	P01097	DISSOLVED-SOLID	P70301	53	0.31053	0.0236
ANTIMONY	6	P01095	HARDNESS	P00900	186	0.53845	0.0001
ANTIMONY	6	P01097	HARDNESS	P00900	58	-0.26498	0.0444
ANTIMONY	6	P01095	IRON	P01045	112	-0.54247	0.0001
ANTIMONY	6	P01095	IRON	P01046	188	0.59022	0.0001
ANTIMONY	6	P01097	IRON	P01046	58	-0.2722	0.0387
ANTIMONY	6	P01095	MANGANESE	P01055	113	-0.50832	0.0001
ANTIMONY	6	P01095	MERCURY	P71890	275	0.37249	0.0001
ANTIMONY	6	P01097	MERCURY	P71900	73	-0.69003	0.0001
ANTIMONY	6	P01097	NICKEL	P01065	108	0.68266	0.0001
ANTIMONY	6	P01095	NITRATE	P00618	26	-0.49316	0.0105
ANTIMONY	6	P01095	NITRITE	P00613	76	-0.2572	0.0249
ANTIMONY	6	P01095	PH	P00400	299	0.21286	0.0002

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ANTIMONY	6	P01095	SELENIUM	P01145	307	0.4815	0.0001
ANTIMONY	6	P01097	SELENIUM	P01145	107	-0.81141	0.0001
ANTIMONY	6	P01097	SELENIUM	P01147	128	0.96415	0.0001
ANTIMONY	6	P01095	SULFATE	P00945	257	0.69376	0.0001
ANTIMONY	6	P01095	THALLIUM	P01057	223	-0.45293	0.0001
ANTIMONY	6	P01097	THALLIUM	P01057	106	-0.36373	0.0001
ANTIMONY	6	P01097	THALLIUM	P01059	126	0.75866	0.0001
ANTIMONY	6	P01097	WELL-DEPTH	P72008	124	-0.72919	0.0001
ARSENIC	0	P01000	ALKALINITY	P39036	1312	0.34103	0.0001
ARSENIC	0	P01000	ANTIMONY	P01097	149	-0.31129	0.0001
ARSENIC	0	P01002	ANTIMONY	P01097	480	0.13322	0.0035
ARSENIC	0	P01000	BERYLLIUM	P01012	145	-0.33116	0.0001
ARSENIC	0	P01002	BERYLLIUM	P01012	593	0.11779	0.0041
ARSENIC	0	P01000	CADMIUM	P01027	263	-0.2392	0.0001
ARSENIC	0	P01000	CHROMIUM	P01030	7641	0.0432	0.0002
ARSENIC	0	P01002	CHROMIUM	P01030	389	0.28427	0.0001
ARSENIC	0	P01002	CHROMIUM	P01034	978	0.10928	0.0006
ARSENIC	0	P01000	CONDUCTANCE	P00095	9493	0.06338	0.0001
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	8575	0.06137	0.0001
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	448	0.09545	0.0435
ARSENIC	0	P01000	IRON	P01045	447	-0.09488	0.045
ARSENIC	0	P01002	IRON	P01045	881	0.07354	0.0291
ARSENIC	0	P01002	MERCURY	P71900	800	0.07972	0.0241
ARSENIC	0	P01000	NICKEL	P01067	190	-0.24537	0.0006
ARSENIC	0	P01002	NITRATE	P00618	199	-0.16918	0.0169
ARSENIC	0	P01000	PH	P00400	9564	0.0744	0.0001
ARSENIC	0	P01000	RADIUM-226	P09511	119	-0.20775	0.0234
ARSENIC	0	P01002	RADON	P76002	20	0.61262	0.0041
ARSENIC	0	P01000	SELENIUM	P01147	198	-0.47239	0.0001
ARSENIC	0	P01002	SELENIUM	P01145	227	-0.17106	0.0098
ARSENIC	0	P01000	THALLIUM	P01059	133	-0.51306	0.0001
ARSENIC	0	P01002	THALLIUM	P01059	347	0.19534	0.0003
ARSENIC	0	P01002	WELL-DEPTH	P72008	928	-0.08186	0.0126
ARSENIC	2	P01000	ALKALINITY	P39036	820	0.38468	0.0001
ARSENIC	2	P01000	ANTIMONY	P01097	134	-0.49233	0.0001
ARSENIC	2	P01000	BERYLLIUM	P01012	134	-0.29666	0.0005
ARSENIC	2	P01000	CADMIUM	P01027	222	-0.25806	0.0001
ARSENIC	2	P01000	CHROMIUM	P01030	3834	0.0731	0.0001
ARSENIC	2	P01000	CHROMIUM	P01032	244	0.17442	0.0063
ARSENIC	2	P01000	CHROMIUM	P01034	234	-0.16903	0.0096
ARSENIC	2	P01002	CHROMIUM	P01030	218	0.28026	0.0001
ARSENIC	2	P01000	CONDUCTANCE	P00095	4928	0.09437	0.0001
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	2435	-0.05549	0.0062
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	4357	0.09449	0.0001
ARSENIC	2	P01002	IRON	P01045	462	0.09124	0.05
ARSENIC	2	P01000	NICKEL	P01067	172	-0.28503	0.0002
ARSENIC	2	P01000	PH	P00400	4979	0.07377	0.0001
ARSENIC	2	P01000	SELENIUM	P01147	174	-0.61062	0.0001
ARSENIC	2	P01002	SELENIUM	P01145	173	-0.20494	0.0068
ARSENIC	2	P01000	SULFATE	P00945	4718	0.06744	0.0001
ARSENIC	2	P01000	THALLIUM	P01059	127	-0.59316	0.0001
ARSENIC	2	P01002	TURBIDITY	P00076	17	0.59595	0.0116
ARSENIC	2	P01002	WELL-DEPTH	P72008	448	-0.12196	0.0098
ARSENIC	5	P01000	ALKALINITY	P39036	570	0.44025	0.0001
ARSENIC	5	P01000	ANTIMONY	P01097	118	-0.76482	0.0001
ARSENIC	5	P01002	ANTIMONY	P01095	76	-0.27572	0.0159
ARSENIC	5	P01000	CADMIUM	P01027	169	-0.22625	0.0031
ARSENIC	5	P01002	CADMIUM	P01027	220	-0.15149	0.0246
ARSENIC	5	P01000	CHROMIUM	P01030	1949	0.13986	0.0001
ARSENIC	5	P01000	CHROMIUM	P01034	135	-0.34058	0.0001
ARSENIC	5	P01002	CHROMIUM	P01030	123	0.2742	0.0021
ARSENIC	5	P01000	CONDUCTANCE	P00095	2704	0.0997	0.0001
ARSENIC	5	P01000	DEPTH-BELOW-LAN	P72019	877	0.08902	0.0083
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	1439	-0.05724	0.0299
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	2323	0.09519	0.0001
ARSENIC	5	P01000	NICKEL	P01067	122	-0.3103	0.0005
ARSENIC	5	P01000	NITRITE	P00613	2286	0.04862	0.0201

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ARSENIC	5	P01002	NITRITE	P00615	37	0.40582	0.0127
ARSENIC	5	P01000	PH	P00400	2706	0.10354	0.0001
ARSENIC	5	P01002	PH	P00400	244	0.14116	0.0275
ARSENIC	5	P01000	SELENIUM	P01147	131	-0.80406	0.0001
ARSENIC	5	P01002	SELENIUM	P01145	100	-0.19814	0.0481
ARSENIC	5	P01002	SELENIUM	P01147	227	-0.15584	0.0188
ARSENIC	5	P01000	SULFATE	P00945	2485	0.0757	0.0002
ARSENIC	5	P01000	THALLIUM	P01059	119	-0.69068	0.0001
ARSENIC	5	P01002	THALLIUM	P01057	65	-0.30756	0.0127
ARSENIC	5	P01002	THALLIUM	P01059	109	-0.40618	0.0001
ARSENIC	5	P01002	TURBIDITY	P00076	12	0.60295	0.038
ARSENIC	10	P01000	ALKALINITY	P39036	375	0.46041	0.0001
ARSENIC	10	P01000	BARIUM	P01007	38	-0.32732	0.0449
ARSENIC	10	P01002	CADMIUM	P01027	145	-0.16633	0.0456
ARSENIC	10	P01000	CHROMIUM	P01030	1074	0.19536	0.0001
ARSENIC	10	P01000	CONDUCTANCE	P00095	1633	0.12198	0.0001
ARSENIC	10	P01002	CONDUCTANCE	P00095	223	0.13548	0.0433
ARSENIC	10	P01000	CYANIDE	P00720	12	0.59616	0.0408
ARSENIC	10	P01000	DISSOLVED-SOLID	P70301	1412	0.1188	0.0001
ARSENIC	10	P01000	IRON	P01047	8	0.89433	0.0027
ARSENIC	10	P01000	NICKEL	P01067	68	0.26083	0.0317
ARSENIC	10	P01002	NITRITE	P00615	25	0.44841	0.0246
ARSENIC	10	P01000	PH	P00400	1625	0.12874	0.0001
ARSENIC	10	P01002	PH	P00400	160	0.27748	0.0004
ARSENIC	10	P01002	SELENIUM	P01145	40	-0.31685	0.0464
ARSENIC	10	P01002	SELENIUM	P01147	152	-0.17091	0.0353
ARSENIC	10	P01000	SULFATE	P00945	1530	0.11838	0.0001
ARSENIC	10	P01000	WELL-DEPTH	P72008	1356	-0.06233	0.0217
ARSENIC	20	P01000	ALKALINITY	P39036	185	0.53958	0.0001
ARSENIC	20	P01002	CADMIUM	P01027	105	-0.27536	0.0045
ARSENIC	20	P01000	CHROMIUM	P01030	493	0.19602	0.0001
ARSENIC	20	P01000	CONDUCTANCE	P00095	848	0.15241	0.0001
ARSENIC	20	P01002	DEPTH-BELOW-LAN	P72019	74	0.67896	0.0001
ARSENIC	20	P01000	DISSOLVED-SOLID	P70301	747	0.14367	0.0001
ARSENIC	20	P01000	IRON	P01047	6	0.94044	0.0052
ARSENIC	20	P01002	IRON	P01046	49	0.29104	0.0425
ARSENIC	20	P01000	MANGANESE	P01055	22	0.47429	0.0257
ARSENIC	20	P01002	MERCURY	P71900	102	-0.24254	0.014
ARSENIC	20	P01000	NICKEL	P01067	21	0.58734	0.0051
ARSENIC	20	P01000	PH	P00400	835	0.15979	0.0001
ARSENIC	20	P01002	PH	P00400	118	0.35733	0.0001
ARSENIC	20	P01002	SELENIUM	P01147	108	-0.21646	0.0244
ARSENIC	20	P01000	SULFATE	P00945	822	0.14367	0.0001
ARSENIC	20	P01002	TURBIDITY	P00076	4	0.99199	0.008
ARSENIC	20	P01000	WELL-DEPTH	P72008	703	-0.08339	0.027
BARIUM	0	P01005	ALKALINITY	P39036	1430	0.12493	0.0001
BARIUM	0	P01007	CHROMIUM	P01034	745	0.23615	0.0001
BARIUM	0	P01005	CONDUCTANCE	P00095	7736	0.06326	0.0001
BARIUM	0	P01007	CONDUCTANCE	P00095	517	0.36254	0.0001
BARIUM	0	P01005	CYANIDE	P00720	170	-0.42504	0.0001
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	5072	-0.07178	0.0001
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	234	-0.1493	0.0223
BARIUM	0	P01005	HARDNESS	P00900	7744	0.05025	0.0001
BARIUM	0	P01005	IRON	P01045	599	-0.13144	0.0013
BARIUM	0	P01005	IRON	P01046	7720	0.02671	0.0189
BARIUM	0	P01005	IRON	P01047	97	-0.32661	0.0011
BARIUM	0	P01007	IRON	P01045	762	0.23223	0.0001
BARIUM	0	P01005	MANGANESE	P01054	7	0.9557	0.0008
BARIUM	0	P01005	MANGANESE	P01055	553	-0.09738	0.022
BARIUM	0	P01005	MERCURY	P71900	221	0.32624	0.0001
BARIUM	0	P01007	MERCURY	P71900	662	0.09282	0.0169
BARIUM	0	P01005	SELENIUM	P01145	4844	-0.04834	0.0008
BARIUM	0	P01005	WELL-DEPTH	P72008	6542	-0.04864	0.0001
BARIUM	2000	P01005	CONDUCTANCE	P00095	16	0.56687	0.022
BARIUM	2000	P01005	IRON	P01046	13	0.72249	0.0053
BARIUM	2000	P01007	NICKEL	P01067	8	0.86425	0.0056
BARIUM	2000	P01005	NITRITE	P00613	4	0.96513	0.0349

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
BARIUM	2000	P01005	WELL-DEPTH	P72008	14	0.54599	0.0434
BARIUM	2000	P01007	WELL-DEPTH	P72008	10	0.81485	0.0041
BERYLLIUM	0	P01010	CADMIUM	P01025	6266	0.12695	0.0001
BERYLLIUM	0	P01010	CADMIUM	P01027	388	0.28533	0.0001
BERYLLIUM	0	P01010	CHROMIUM	P01030	5981	0.76692	0.0001
BERYLLIUM	0	P01010	CHROMIUM	P01034	383	0.21923	0.0001
BERYLLIUM	0	P01012	CHROMIUM	P01034	571	0.37129	0.0001
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	5963	0.25383	0.0001
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	561	-0.09328	0.0272
BERYLLIUM	0	P01010	CYANIDE	P00720	116	-0.71091	0.0001
BERYLLIUM	0	P01012	CYANIDE	P00720	320	0.89139	0.0001
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	4922	0.322	0.0001
BERYLLIUM	0	P01010	HARDNESS	P00900	6025	0.4158	0.0001
BERYLLIUM	0	P01012	HARDNESS	P00900	399	-0.0995	0.047
BERYLLIUM	0	P01010	IRON	P01045	515	0.51039	0.0001
BERYLLIUM	0	P01010	IRON	P01046	6041	0.56734	0.0001
BERYLLIUM	0	P01010	IRON	P01047	75	0.73288	0.0001
BERYLLIUM	0	P01012	IRON	P01045	529	0.38109	0.0001
BERYLLIUM	0	P01010	MANGANESE	P01055	541	0.3062	0.0001
BERYLLIUM	0	P01010	MANGANESE	P01056	6213	0.94487	0.0001
BERYLLIUM	0	P01012	MANGANESE	P01055	527	0.22111	0.0001
BERYLLIUM	0	P01010	MERCURY	P71900	236	0.20216	0.0018
BERYLLIUM	0	P01012	MERCURY	P71890	78	-0.42532	0.0001
BERYLLIUM	0	P01012	MERCURY	P71900	482	0.56651	0.0001
BERYLLIUM	0	P01010	NICKEL	P01065	5803	0.74762	0.0001
BERYLLIUM	0	P01010	NICKEL	P01067	337	0.13889	0.0107
BERYLLIUM	0	P01012	NICKEL	P01067	570	0.41167	0.0001
BERYLLIUM	0	P01010	NITRITE	P00613	4917	0.22714	0.0001
BERYLLIUM	0	P01010	NITRITE	P00615	209	0.88965	0.0001
BERYLLIUM	0	P01012	NITRITE	P00615	251	0.20965	0.0008
BERYLLIUM	0	P01010	PH	P00400	6056	-0.15222	0.0001
BERYLLIUM	0	P01010	SELENIUM	P01145	4230	0.04252	0.0057
BERYLLIUM	0	P01010	SELENIUM	P01147	313	0.40981	0.0001
BERYLLIUM	0	P01012	SELENIUM	P01145	151	-0.47104	0.0001
BERYLLIUM	0	P01012	SELENIUM	P01147	571	0.15353	0.0002
BERYLLIUM	0	P01010	THALLIUM	P01059	239	0.38452	0.0001
BERYLLIUM	0	P01012	THALLIUM	P01057	171	-0.61711	0.0001
BERYLLIUM	0	P01012	THALLIUM	P01059	328	0.11787	0.0328
BERYLLIUM	4	P01010	ANTIMONY	P01095	130	0.3496	0.0001
BERYLLIUM	4	P01012	ANTIMONY	P01095	24	-0.99976	0.0001
BERYLLIUM	4	P01012	ANTIMONY	P01097	93	0.58809	0.0001
BERYLLIUM	4	P01012	BARIUM	P01007	123	0.41846	0.0001
BERYLLIUM	4	P01010	CADMIUM	P01025	297	0.95417	0.0001
BERYLLIUM	4	P01010	CADMIUM	P01027	16	0.99045	0.0001
BERYLLIUM	4	P01012	CADMIUM	P01025	25	-0.83933	0.0001
BERYLLIUM	4	P01012	CADMIUM	P01027	146	0.57308	0.0001
BERYLLIUM	4	P01010	CHROMIUM	P01030	295	0.92127	0.0001
BERYLLIUM	4	P01012	CHROMIUM	P01034	146	0.45623	0.0001
BERYLLIUM	4	P01012	CONDUCTANCE	P00095	138	-0.1715	0.0443
BERYLLIUM	4	P01012	CYANIDE	P00720	49	0.99925	0.0001
BERYLLIUM	4	P01010	DEPTH-BELOW-LAN	P72019	177	0.43249	0.0001
BERYLLIUM	4	P01012	DEPTH-BELOW-LAN	P72019	28	-0.66448	0.0001
BERYLLIUM	4	P01012	DISSOLVED-OXYGE	P00300	47	-0.49511	0.0004
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	233	0.16336	0.0125
BERYLLIUM	4	P01010	HARDNESS	P00900	294	0.32497	0.0001
BERYLLIUM	4	P01010	IRON	P01045	105	0.50446	0.0001
BERYLLIUM	4	P01010	IRON	P01046	296	0.55743	0.0001
BERYLLIUM	4	P01010	IRON	P01047	24	0.65285	0.0005
BERYLLIUM	4	P01012	IRON	P01045	123	0.45156	0.0001
BERYLLIUM	4	P01012	IRON	P01046	43	-0.4829	0.001
BERYLLIUM	4	P01010	MANGANESE	P01055	110	0.57244	0.0001
BERYLLIUM	4	P01010	MANGANESE	P01056	295	0.95312	0.0001
BERYLLIUM	4	P01012	MANGANESE	P01055	123	0.40535	0.0001
BERYLLIUM	4	P01012	MERCURY	P71890	17	-1	0.0001
BERYLLIUM	4	P01012	MERCURY	P71900	139	0.86354	0.0001
BERYLLIUM	4	P01010	NICKEL	P01065	271	0.91649	0.0001
BERYLLIUM	4	P01012	NICKEL	P01065	31	-0.98518	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
BERYLLIUM	4	P01012	NICKEL	P01067	145	0.66463	0.0001
BERYLLIUM	4	P01012	NITRATE	P00618	21	-0.70379	0.0004
BERYLLIUM	4	P01010	PH	P00400	278	-0.44899	0.0001
BERYLLIUM	4	P01012	PH	P00400	130	-0.73107	0.0001
BERYLLIUM	4	P01010	RADON	P76002	99	0.37299	0.0001
BERYLLIUM	4	P01010	RADON	P82303	101	0.39339	0.0001
BERYLLIUM	4	P01010	SELENIUM	P01145	270	-0.12802	0.0355
BERYLLIUM	4	P01012	SELENIUM	P01145	23	-0.49671	0.0159
BERYLLIUM	4	P01012	SELENIUM	P01147	146	0.33029	0.0001
BERYLLIUM	4	P01010	SULFATE	P00945	293	0.23115	0.0001
BERYLLIUM	4	P01012	THALLIUM	P01057	43	-1	0.0001
BERYLLIUM	4	P01012	THALLIUM	P01059	22	-0.52069	0.013
BERYLLIUM	4	P01012	WELL-DEPTH	P72008	109	-0.48025	0.0001
CADMIUM	0	P01027	ALKALINITY	P39036	17	0.57726	0.0153
CADMIUM	0	P01025	CHROMIUM	P01030	8965	0.08966	0.0001
CADMIUM	0	P01027	CHROMIUM	P01030	411	0.47085	0.0001
CADMIUM	0	P01027	CHROMIUM	P01034	1015	0.17412	0.0001
CADMIUM	0	P01025	CONDUCTANCE	P00095	8864	0.10215	0.0001
CADMIUM	0	P01027	CONDUCTANCE	P00095	774	-0.08174	0.023
CADMIUM	0	P01025	CYANIDE	P00720	116	0.42057	0.0001
CADMIUM	0	P01025	CYANIDE	P00723	1199	0.10476	0.0003
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	350	-0.1218	0.0227
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	7517	0.07396	0.0001
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	421	0.09931	0.0417
CADMIUM	0	P01025	HARDNESS	P00900	9034	0.20798	0.0001
CADMIUM	0	P01025	IRON	P01045	525	0.09763	0.0253
CADMIUM	0	P01025	IRON	P01046	8926	0.08833	0.0001
CADMIUM	0	P01025	IRON	P01047	75	0.28986	0.0117
CADMIUM	0	P01027	IRON	P01045	913	0.33725	0.0001
CADMIUM	0	P01027	IRON	P01046	355	0.22032	0.0001
CADMIUM	0	P01025	MANGANESE	P01055	551	0.64379	0.0001
CADMIUM	0	P01025	MANGANESE	P01056	9104	0.16377	0.0001
CADMIUM	0	P01027	MANGANESE	P01055	951	0.08729	0.0071
CADMIUM	0	P01027	MANGANESE	P01056	425	0.17556	0.0003
CADMIUM	0	P01027	MERCURY	P71890	187	0.16024	0.0285
CADMIUM	0	P01027	MERCURY	P71900	896	0.0967	0.0038
CADMIUM	0	P01025	NICKEL	P01065	6207	0.12067	0.0001
CADMIUM	0	P01027	NICKEL	P01065	376	0.39552	0.0001
CADMIUM	0	P01027	NICKEL	P01067	648	0.65834	0.0001
CADMIUM	0	P01025	NITRITE	P00613	7566	0.03965	0.0006
CADMIUM	0	P01025	NITRITE	P00615	214	0.19639	0.0039
CADMIUM	0	P01025	PH	P00400	8831	-0.18175	0.0001
CADMIUM	0	P01027	PH	P00400	953	-0.25308	0.0001
CADMIUM	0	P01025	SELENIUM	P01147	319	0.55943	0.0001
CADMIUM	0	P01027	SELENIUM	P01147	883	0.07007	0.0374
CADMIUM	0	P01025	THALLIUM	P01057	752	0.10178	0.0052
CADMIUM	0	P01025	THALLIUM	P01059	239	0.54597	0.0001
CADMIUM	0	P01027	THALLIUM	P01057	254	0.67947	0.0001
CADMIUM	0	P01027	THALLIUM	P01059	305	0.44299	0.0001
CADMIUM	5	P01027	ALKALINITY	P39036	4	0.99143	0.0086
CADMIUM	5	P01025	ANTIMONY	P01097	62	-0.32995	0.0088
CADMIUM	5	P01027	ANTIMONY	P01095	61	-0.71147	0.0001
CADMIUM	5	P01027	ANTIMONY	P01097	91	-0.40746	0.0001
CADMIUM	5	P01027	ARSENIC	P01000	116	-0.32185	0.0004
CADMIUM	5	P01027	ARSENIC	P01002	379	-0.25217	0.0001
CADMIUM	5	P01027	BARIUM	P01005	138	-0.5569	0.0001
CADMIUM	5	P01027	CHROMIUM	P01030	139	-0.2096	0.0133
CADMIUM	5	P01025	CONDUCTANCE	P00095	341	0.10623	0.05
CADMIUM	5	P01027	CYANIDE	P00720	214	-0.16248	0.0174
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	258	-0.13143	0.0349
CADMIUM	5	P01025	HARDNESS	P00900	305	0.38097	0.0001
CADMIUM	5	P01027	IRON	P01045	466	0.29292	0.0001
CADMIUM	5	P01025	MANGANESE	P01055	109	0.74599	0.0001
CADMIUM	5	P01027	MERCURY	P71890	92	-0.24705	0.0176
CADMIUM	5	P01027	MERCURY	P71900	436	-0.18751	0.0001
CADMIUM	5	P01027	NICKEL	P01065	128	0.29317	0.0008
CADMIUM	5	P01027	NICKEL	P01067	166	0.50853	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
CADMIUM	5	P01027	NITRITE	P00613	275	-0.15006	0.0127
CADMIUM	5	P01025	PH	P00400	339	-0.36488	0.0001
CADMIUM	5	P01025	RADON	P76002	54	0.31208	0.0216
CADMIUM	5	P01025	RADON	P82303	56	0.29993	0.0247
CADMIUM	5	P01025	SELENIUM	P01147	94	-0.5648	0.0001
CADMIUM	5	P01027	SELENIUM	P01145	130	-0.41254	0.0001
CADMIUM	5	P01027	SELENIUM	P01147	369	-0.26295	0.0001
CADMIUM	5	P01025	SULFATE	P00945	308	0.4077	0.0001
CADMIUM	5	P01027	SULFATE	P00945	355	0.34624	0.0001
CADMIUM	5	P01025	THALLIUM	P01059	56	-0.38341	0.0035
CADMIUM	5	P01025	TURBIDITY	P00076	10	0.64595	0.0436
CADMIUM	5	P01027	WELL-DEPTH	P72008	403	0.1004	0.044
CHROMIUM	0	P01034	CONDUCTANCE	P00095	883	-0.09684	0.004
CHROMIUM	0	P01030	CYANIDE	P00723	1183	0.09632	0.0009
CHROMIUM	0	P01034	CYANIDE	P00720	468	0.57663	0.0001
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	4564	0.07519	0.0001
CHROMIUM	0	P01030	HARDNESS	P00900	8800	0.02748	0.0099
CHROMIUM	0	P01032	HARDNESS	P00900	281	-0.12232	0.0405
CHROMIUM	0	P01034	HARDNESS	P00900	550	-0.10285	0.0158
CHROMIUM	0	P01030	IRON	P01046	8694	0.02143	0.0457
CHROMIUM	0	P01030	IRON	P01047	75	0.23326	0.044
CHROMIUM	0	P01034	IRON	P01045	1067	0.7391	0.0001
CHROMIUM	0	P01034	IRON	P01046	383	0.12091	0.0179
CHROMIUM	0	P01030	MANGANESE	P01056	8816	0.04351	0.0001
CHROMIUM	0	P01034	MANGANESE	P01055	959	0.07498	0.0202
CHROMIUM	0	P01030	MERCURY	P71900	244	0.1491	0.0198
CHROMIUM	0	P01034	MERCURY	P71890	169	0.21921	0.0042
CHROMIUM	0	P01034	MERCURY	P71900	1008	0.21289	0.0001
CHROMIUM	0	P01030	NICKEL	P01065	6246	0.54168	0.0001
CHROMIUM	0	P01030	NICKEL	P01067	348	0.30706	0.0001
CHROMIUM	0	P01032	NICKEL	P01065	134	-0.22733	0.0083
CHROMIUM	0	P01034	NICKEL	P01065	371	0.14836	0.0042
CHROMIUM	0	P01034	NICKEL	P01067	798	0.62569	0.0001
CHROMIUM	0	P01030	NITRITE	P00615	271	-0.48026	0.0001
CHROMIUM	0	P01034	PH	P00400	1059	-0.22402	0.0001
CHROMIUM	0	P01030	SELENIUM	P01147	331	0.72764	0.0001
CHROMIUM	0	P01034	SELENIUM	P01147	926	0.38604	0.0001
CHROMIUM	0	P01030	THALLIUM	P01057	758	0.14633	0.0001
CHROMIUM	0	P01030	THALLIUM	P01059	239	0.85481	0.0001
CHROMIUM	0	P01034	THALLIUM	P01059	328	0.30863	0.0001
CHROMIUM	0	P01032	WELL-DEPTH	P72008	838	-0.1413	0.0001
CHROMIUM	0	P01034	WELL-DEPTH	P72008	1067	-0.10759	0.0004
CHROMIUM	100	P01034	BARIUM	P01007	15	0.51462	0.0497
CHROMIUM	100	P01030	BERYLLIUM	P01010	34	0.57477	0.0004
CHROMIUM	100	P01030	CADMIUM	P01025	43	0.61994	0.0001
CHROMIUM	100	P01034	CADMIUM	P01027	15	0.80552	0.0003
CHROMIUM	100	P01032	CONDUCTANCE	P00095	39	0.446	0.0044
CHROMIUM	100	P01030	DEPTH-BELOW-LAN	P72019	7	0.78289	0.0374
CHROMIUM	100	P01030	DISSOLVED-OXYGE	P00300	24	0.4427	0.0303
CHROMIUM	100	P01034	IRON	P01045	15	0.68081	0.0052
CHROMIUM	100	P01030	NICKEL	P01065	43	0.56268	0.0001
CHROMIUM	100	P01030	NITRATE	P00618	4	-0.97018	0.0298
CHROMIUM	100	P01030	RADON	P76002	20	0.57185	0.0084
CHROMIUM	100	P01030	RADON	P82303	22	0.43352	0.0438
CYANIDE	0	P00723	CONDUCTANCE	P00095	1185	0.39414	0.0001
CYANIDE	0	P00720	DISSOLVED-OXYGE	P00300	116	-0.23252	0.012
CYANIDE	0	P00723	DISSOLVED-OXYGE	P00300	336	-0.16106	0.0031
CYANIDE	0	P00720	DISSOLVED-SOLID	P70301	266	0.17737	0.0037
CYANIDE	0	P00723	DISSOLVED-SOLID	P70301	1085	0.15817	0.0001
CYANIDE	0	P00723	HARDNESS	P00900	1061	0.56949	0.0001
CYANIDE	0	P00720	IRON	P01045	442	0.32882	0.0001
CYANIDE	0	P00720	MANGANESE	P01055	374	0.37889	0.0001
CYANIDE	0	P00723	MANGANESE	P01056	1136	0.81798	0.0001
CYANIDE	0	P00720	MERCURY	P71890	30	-1	0.0001
CYANIDE	0	P00720	MERCURY	P71900	445	0.48307	0.0001
CYANIDE	0	P00723	MERCURY	P71890	738	0.75152	0.0001
CYANIDE	0	P00720	NICKEL	P01067	321	0.81792	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
CYANIDE	0	P00723	NICKEL	P01065	317	0.83481	0.0001
CYANIDE	0	P00720	NITRITE	P00615	262	-0.13588	0.0279
CYANIDE	0	P00723	NITRITE	P00613	1048	0.97089	0.0001
CYANIDE	0	P00720	PH	P00400	527	-0.25042	0.0001
CYANIDE	0	P00720	SELENIUM	P01145	53	-0.65809	0.0001
CYANIDE	0	P00720	SELENIUM	P01147	469	0.57749	0.0001
CYANIDE	0	P00723	SELENIUM	P01147	67	0.75744	0.0001
CYANIDE	0	P00720	THALLIUM	P01059	174	0.9185	0.0001
CYANIDE	0	P00720	TURBIDITY	P00076	76	0.35922	0.0014
CYANIDE	0	P00720	WELL-DEPTH	P72008	466	-0.12897	0.0053
CYANIDE	0.2	P00723	CADMIUM	P01025	82	0.49731	0.0001
CYANIDE	0.2	P00723	CHROMIUM	P01030	82	0.31689	0.0037
CYANIDE	0.2	P00723	CONDUCTANCE	P00095	13	0.95566	0.0001
CYANIDE	0.2	P00723	HARDNESS	P00900	12	0.93862	0.0001
CYANIDE	0.2	P00723	MANGANESE	P01056	13	0.95672	0.0001
CYANIDE	0.2	P00723	MERCURY	P71890	74	0.77994	0.0001
CYANIDE	0.2	P00723	NICKEL	P01065	82	0.84426	0.0001
CYANIDE	0.2	P00723	NITRATE	P00618	12	0.96637	0.0001
CYANIDE	0.2	P00723	NITRITE	P00613	12	0.99464	0.0001
CYANIDE	0.2	P00723	SELENIUM	P01147	5	0.98905	0.0014
CYANIDE	0.2	P00723	SULFATE	P00945	81	0.72641	0.0001
CYANIDE	0.2	P00723	TURBIDITY	P00076	7	0.96728	0.0004
CYANIDE	0.2	P00723	WELL-DEPTH	P72008	81	0.50489	0.0001
DEPTH-BELOW-LAN	0	P72019	PH	P00400	12417	-0.01838	0.0406
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	824	-0.09217	0.0081
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	21145	-0.05444	0.0001
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	1973	0.28238	0.0001
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	19725	0.97808	0.0001
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	10696	-0.05528	0.0001
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	20635	0.83607	0.0001
DISSOLVED-SOLID	0	P70301	PH	P00400	19518	-0.02636	0.0002
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	17886	-0.03112	0.0001
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	1020	0.24052	0.0001
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	696	0.23155	0.0001
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	2536	0.03931	0.0478
DISSOLVED-SOLID	500	P70301	ARSENIC	P01002	140	0.1682	0.047
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	1630	0.31588	0.0001
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	2141	0.06219	0.004
DISSOLVED-SOLID	500	P70301	CADMIUM	P01027	126	0.25932	0.0034
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	6148	0.97654	0.0001
DISSOLVED-SOLID	500	P70301	CYANIDE	P00720	96	0.26332	0.0095
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	2770	-0.04775	0.012
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	6508	0.84348	0.0001
DISSOLVED-SOLID	500	P70301	IRON	P01046	5347	0.07676	0.0001
DISSOLVED-SOLID	500	P70301	MANGANESE	P01054	5	-0.8818	0.0479
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	190	0.5143	0.0001
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	5190	0.09474	0.0001
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	1476	0.13411	0.0001
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	1059	0.10428	0.0007
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	4335	0.29211	0.0001
DISSOLVED-SOLID	500	P70301	PH	P00400	5981	-0.10788	0.0001
DISSOLVED-SOLID	500	P70301	RADIUM-226	P09511	20	0.9063	0.0001
DISSOLVED-SOLID	500	P70301	RADIUM-226	P76001	15	0.77467	0.0007
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	2039	0.11353	0.0001
DISSOLVED-SOLID	500	P70301	SELENIUM	P01147	123	0.32546	0.0002
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	6553	0.35641	0.0001
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	5699	-0.06452	0.0001
HARDNESS	0	P00900	ALKALINITY	P39036	2436	0.16342	0.0001
HARDNESS	0	P00900	CONDUCTANCE	P00095	24144	0.69082	0.0001
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	12901	-0.07527	0.0001
HARDNESS	0	P00900	PH	P00400	23588	-0.04159	0.0001
HARDNESS	0	P00900	TURBIDITY	P00076	2203	0.07358	0.0005
HARDNESS	0	P00900	WELL-DEPTH	P72008	21607	-0.02289	0.0008
HARDNESS	300	P00900	ANTIMONY	P01095	793	0.4551	0.0001
HARDNESS	300	P00900	BARIUM	P01005	2763	-0.07138	0.0002
HARDNESS	300	P00900	BERYLLIUM	P01010	2218	0.42844	0.0001
HARDNESS	300	P00900	CADMIUM	P01025	2978	0.19676	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
HARDNESS	300	P00900	CONDUCTANCE	P00095	7958	0.67694	0.0001
HARDNESS	300	P00900	CYANIDE	P00720	107	0.30319	0.0015
HARDNESS	300	P00900	CYANIDE	P00723	179	0.76976	0.0001
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	6923	0.8481	0.0001
HARDNESS	300	P00900	IRON	P01045	622	0.38783	0.0001
HARDNESS	300	P00900	IRON	P01046	6610	0.20117	0.0001
HARDNESS	300	P00900	IRON	P01047	142	0.18269	0.0295
HARDNESS	300	P00900	MANGANESE	P01055	311	0.48698	0.0001
HARDNESS	300	P00900	MANGANESE	P01056	6510	0.25654	0.0001
HARDNESS	300	P00900	MERCURY	P71890	1043	0.09455	0.0022
HARDNESS	300	P00900	NICKEL	P01065	2205	0.30023	0.0001
HARDNESS	300	P00900	NICKEL	P01067	151	0.23499	0.0037
HARDNESS	300	P00900	NITRATE	P00618	1254	0.08759	0.0019
HARDNESS	300	P00900	NITRITE	P00613	5196	0.28697	0.0001
HARDNESS	300	P00900	PH	P00400	7610	-0.17777	0.0001
HARDNESS	300	P00900	RADIUM-226	P09511	6	0.96951	0.0014
HARDNESS	300	P00900	RADIUM-226	P76001	10	0.90703	0.0003
HARDNESS	300	P00900	RADON	P76002	1018	0.38287	0.0001
HARDNESS	300	P00900	RADON	P82303	1022	0.40257	0.0001
HARDNESS	300	P00900	SELENIUM	P01145	2343	0.11987	0.0001
HARDNESS	300	P00900	SELENIUM	P01147	168	0.4948	0.0001
HARDNESS	300	P00900	SULFATE	P00945	7987	0.59431	0.0001
HARDNESS	300	P00900	URANIUM-235	P22620	71	0.54838	0.0001
HARDNESS	300	P00900	URANIUM-238	P22603	71	0.26444	0.0258
IRON	0	P01046	ALKALINITY	P39036	1939	0.0822	0.0003
IRON	0	P01045	CONDUCTANCE	P00095	1781	0.08393	0.0004
IRON	0	P01046	CONDUCTANCE	P00095	21183	0.07	0.0001
IRON	0	P01045	DISSOLVED-OXYGE	P00300	962	-0.16066	0.0001
IRON	0	P01046	DISSOLVED-OXYGE	P00300	12228	-0.03377	0.0002
IRON	0	P01045	DISSOLVED-SOLID	P70301	1207	0.10348	0.0003
IRON	0	P01046	DISSOLVED-SOLID	P70301	18051	0.09306	0.0001
IRON	0	P01045	HARDNESS	P00900	1507	0.41351	0.0001
IRON	0	P01046	HARDNESS	P00900	21335	0.218	0.0001
IRON	0	P01047	HARDNESS	P00900	173	0.22663	0.0027
IRON	0	P01045	MANGANESE	P01055	1729	0.83989	0.0001
IRON	0	P01045	MANGANESE	P01056	948	0.65693	0.0001
IRON	0	P01046	MANGANESE	P01055	886	0.63082	0.0001
IRON	0	P01046	MANGANESE	P01056	21732	0.60291	0.0001
IRON	0	P01047	MANGANESE	P01055	116	0.91176	0.0001
IRON	0	P01047	MANGANESE	P01056	174	0.92386	0.0001
IRON	0	P01045	MERCURY	P71900	924	0.16631	0.0001
IRON	0	P01045	NICKEL	P01065	556	0.8974	0.0001
IRON	0	P01045	NICKEL	P01067	713	0.46814	0.0001
IRON	0	P01046	NICKEL	P01065	6154	0.56519	0.0001
IRON	0	P01046	NICKEL	P01067	278	0.15849	0.0081
IRON	0	P01047	NICKEL	P01065	75	0.80815	0.0001
IRON	0	P01045	PH	P00400	1929	-0.24982	0.0001
IRON	0	P01046	PH	P00400	20859	-0.12495	0.0001
IRON	0	P01047	PH	P00400	195	-0.46401	0.0001
IRON	0	P01045	SELENIUM	P01145	411	-0.11274	0.0223
IRON	0	P01045	SELENIUM	P01147	831	0.09146	0.0083
IRON	0	P01046	SELENIUM	P01147	277	0.31147	0.0001
IRON	0	P01047	SELENIUM	P01145	77	0.42759	0.0001
IRON	0	P01045	THALLIUM	P01059	326	0.16045	0.0037
IRON	0	P01046	THALLIUM	P01057	569	0.24802	0.0001
IRON	0	P01045	TURBIDITY	P00076	243	0.15432	0.0161
IRON	0	P01045	WELL-DEPTH	P72008	1913	-0.10774	0.0001
IRON	0	P01046	WELL-DEPTH	P72008	19212	-0.03399	0.0001
IRON	300	P01045	ANTIMONY	P01097	223	0.18661	0.0052
IRON	300	P01046	ANTIMONY	P01095	569	0.67599	0.0001
IRON	300	P01047	ANTIMONY	P01095	66	0.29374	0.0167
IRON	300	P01045	ARSENIC	P01000	233	-0.13885	0.0341
IRON	300	P01047	ARSENIC	P01000	62	0.61157	0.0001
IRON	300	P01045	BARIUM	P01005	308	-0.20594	0.0003
IRON	300	P01045	BARIUM	P01007	479	0.29599	0.0001
IRON	300	P01047	BARIUM	P01005	80	-0.33236	0.0026
IRON	300	P01045	BERYLLIUM	P01010	242	0.6338	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
IRON	300	P01045	BERYLLIUM	P01012	275	0.42635	0.0001
IRON	300	P01046	BERYLLIUM	P01010	1673	0.58574	0.0001
IRON	300	P01047	BERYLLIUM	P01010	66	0.72511	0.0001
IRON	300	P01045	CADMIUM	P01027	545	0.33539	0.0001
IRON	300	P01046	CADMIUM	P01025	2107	0.08541	0.0001
IRON	300	P01046	CADMIUM	P01027	86	0.23103	0.0323
IRON	300	P01047	CADMIUM	P01025	66	0.25902	0.0357
IRON	300	P01045	CHROMIUM	P01034	610	0.74209	0.0001
IRON	300	P01045	CONDUCTANCE	P00095	889	0.078	0.02
IRON	300	P01046	CONDUCTANCE	P00095	5126	0.09268	0.0001
IRON	300	P01045	CYANIDE	P00720	250	0.29527	0.0001
IRON	300	P01045	DISSOLVED-OXYGE	P00300	575	-0.13319	0.0014
IRON	300	P01045	DISSOLVED-SOLID	P70301	572	0.10338	0.0134
IRON	300	P01046	DISSOLVED-SOLID	P70301	3620	0.15045	0.0001
IRON	300	P01045	HARDNESS	P00900	718	0.40579	0.0001
IRON	300	P01046	HARDNESS	P00900	5302	0.31621	0.0001
IRON	300	P01047	HARDNESS	P00900	121	0.18093	0.047
IRON	300	P01045	MANGANESE	P01055	975	0.83732	0.0001
IRON	300	P01045	MANGANESE	P01056	498	0.64984	0.0001
IRON	300	P01046	MANGANESE	P01055	331	0.60725	0.0001
IRON	300	P01046	MANGANESE	P01056	5341	0.60253	0.0001
IRON	300	P01047	MANGANESE	P01055	99	0.90662	0.0001
IRON	300	P01047	MANGANESE	P01056	121	0.91642	0.0001
IRON	300	P01045	MERCURY	P71890	135	-0.17917	0.0376
IRON	300	P01045	MERCURY	P71900	523	0.14635	0.0008
IRON	300	P01045	NICKEL	P01065	286	0.89123	0.0001
IRON	300	P01045	NICKEL	P01067	369	0.45178	0.0001
IRON	300	P01046	NICKEL	P01065	1638	0.56228	0.0001
IRON	300	P01047	NICKEL	P01065	66	0.78866	0.0001
IRON	300	P01047	NITRITE	P00613	105	0.24277	0.0126
IRON	300	P01045	PH	P00400	971	-0.29279	0.0001
IRON	300	P01046	PH	P00400	4986	-0.23928	0.0001
IRON	300	P01047	PH	P00400	127	-0.53798	0.0001
IRON	300	P01046	RADON	P76002	616	0.25793	0.0001
IRON	300	P01046	RADON	P82303	620	0.24174	0.0001
IRON	300	P01045	SELENIUM	P01145	223	-0.19945	0.0028
IRON	300	P01047	SELENIUM	P01145	62	0.38647	0.0019
IRON	300	P01045	SULFATE	P00945	983	0.49127	0.0001
IRON	300	P01046	SULFATE	P00945	4731	0.51809	0.0001
IRON	300	P01047	SULFATE	P00945	121	0.82349	0.0001
IRON	300	P01045	THALLIUM	P01059	181	0.15989	0.0316
IRON	300	P01046	THALLIUM	P01057	172	0.32635	0.0001
IRON	300	P01045	WELL-DEPTH	P72008	992	-0.09289	0.0034
IRON	300	P01046	WELL-DEPTH	P72008	4702	-0.03537	0.0153
IRON	2500	P01046	ALKALINITY	P39036	60	-0.3339	0.0091
IRON	2500	P01046	ANTIMONY	P01095	230	0.69674	0.0001
IRON	2500	P01047	ARSENIC	P01000	51	0.62495	0.0001
IRON	2500	P01045	BARIUM	P01005	167	-0.23614	0.0021
IRON	2500	P01045	BARIUM	P01007	238	0.25029	0.0001
IRON	2500	P01046	BARIUM	P01005	1041	-0.07005	0.0238
IRON	2500	P01047	BARIUM	P01005	64	-0.31752	0.0106
IRON	2500	P01045	BERYLLIUM	P01010	127	0.68064	0.0001
IRON	2500	P01045	BERYLLIUM	P01012	85	0.45172	0.0001
IRON	2500	P01046	BERYLLIUM	P01010	923	0.60478	0.0001
IRON	2500	P01047	BERYLLIUM	P01010	55	0.71311	0.0001
IRON	2500	P01045	CADMIUM	P01027	269	0.31416	0.0001
IRON	2500	P01046	CADMIUM	P01025	1111	0.08015	0.0075
IRON	2500	P01047	CADMIUM	P01025	55	0.4256	0.0012
IRON	2500	P01045	CHROMIUM	P01034	291	0.73563	0.0001
IRON	2500	P01046	CHROMIUM	P01030	978	0.47054	0.0001
IRON	2500	P01046	CONDUCTANCE	P00095	2160	0.10948	0.0001
IRON	2500	P01045	CYANIDE	P00720	113	0.2528	0.0069
IRON	2500	P01046	DEPTH-BELOW-LAN	P72019	1136	0.12131	0.0001
IRON	2500	P01047	DEPTH-BELOW-LAN	P72019	55	-0.30766	0.0223
IRON	2500	P01045	DISSOLVED-OXYGE	P00300	327	-0.1531	0.0055
IRON	2500	P01046	DISSOLVED-SOLID	P70301	1643	0.18307	0.0001
IRON	2500	P01045	HARDNESS	P00900	350	0.37928	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
IRON	2500	P01046	HARDNESS	P00900	2202	0.33233	0.0001
IRON	2500	P01045	MANGANESE	P01055	500	0.82712	0.0001
IRON	2500	P01045	MANGANESE	P01056	254	0.636	0.0001
IRON	2500	P01046	MANGANESE	P01055	151	0.56078	0.0001
IRON	2500	P01046	MANGANESE	P01056	2232	0.61746	0.0001
IRON	2500	P01047	MANGANESE	P01055	55	0.8643	0.0001
IRON	2500	P01047	MANGANESE	P01056	68	0.89003	0.0001
IRON	2500	P01045	MERCURY	P71890	78	-0.23343	0.0397
IRON	2500	P01045	MERCURY	P71900	248	0.12729	0.0452
IRON	2500	P01045	NICKEL	P01065	150	0.89807	0.0001
IRON	2500	P01045	NICKEL	P01067	141	0.48519	0.0001
IRON	2500	P01046	NICKEL	P01065	904	0.71265	0.0001
IRON	2500	P01047	NICKEL	P01065	55	0.74577	0.0001
IRON	2500	P01045	PH	P00400	480	-0.31288	0.0001
IRON	2500	P01046	PH	P00400	2041	-0.29756	0.0001
IRON	2500	P01047	PH	P00400	68	-0.60865	0.0001
IRON	2500	P01045	RADIUM-226	P76001	4	0.95965	0.0403
IRON	2500	P01046	RADON	P76002	200	0.32397	0.0001
IRON	2500	P01046	RADON	P82303	202	0.25109	0.0003
IRON	2500	P01045	SELENIUM	P01145	134	-0.20384	0.0182
IRON	2500	P01046	SELENIUM	P01145	801	0.09146	0.0096
IRON	2500	P01047	SELENIUM	P01145	51	0.30667	0.0286
IRON	2500	P01045	SULFATE	P00945	484	0.48152	0.0001
IRON	2500	P01046	SULFATE	P00945	2122	0.56066	0.0001
IRON	2500	P01047	SULFATE	P00945	68	0.79786	0.0001
IRON	2500	P01046	THALLIUM	P01057	43	0.50272	0.0006
MANGANESE	0	P01056	ALKALINITY	P39036	1904	0.09886	0.0001
MANGANESE	0	P01055	CONDUCTANCE	P00095	1231	0.34654	0.0001
MANGANESE	0	P01056	CONDUCTANCE	P00095	20780	0.07646	0.0001
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	856	-0.17911	0.0001
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	812	0.54332	0.0001
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	17639	0.10385	0.0001
MANGANESE	0	P01054	HARDNESS	P00900	7	0.95913	0.0006
MANGANESE	0	P01055	HARDNESS	P00900	1098	0.50013	0.0001
MANGANESE	0	P01056	HARDNESS	P00900	20844	0.26303	0.0001
MANGANESE	0	P01055	MERCURY	P71900	796	0.19171	0.0001
MANGANESE	0	P01055	NICKEL	P01065	529	0.7519	0.0001
MANGANESE	0	P01055	NICKEL	P01067	606	0.18414	0.0001
MANGANESE	0	P01056	NICKEL	P01065	6267	0.77435	0.0001
MANGANESE	0	P01056	NICKEL	P01067	342	0.127	0.0188
MANGANESE	0	P01055	PH	P00400	1481	-0.2271	0.0001
MANGANESE	0	P01056	PH	P00400	20509	-0.11406	0.0001
MANGANESE	0	P01055	SELENIUM	P01147	831	0.15728	0.0001
MANGANESE	0	P01056	SELENIUM	P01147	345	0.28474	0.0001
MANGANESE	0	P01055	THALLIUM	P01059	327	0.11546	0.0369
MANGANESE	0	P01056	THALLIUM	P01057	697	-0.11658	0.002
MANGANESE	0	P01055	TURBIDITY	P00076	83	0.32216	0.003
MANGANESE	0	P01054	WELL-DEPTH	P72008	6	0.88389	0.0194
MANGANESE	0	P01055	WELL-DEPTH	P72008	1411	-0.07445	0.0051
MANGANESE	0	P01056	WELL-DEPTH	P72008	18838	-0.01519	0.0371
MANGANESE	50	P01056	ANTIMONY	P01095	897	0.21436	0.0001
MANGANESE	50	P01055	BARIUM	P01005	266	-0.16647	0.0065
MANGANESE	50	P01055	BERYLLIUM	P01010	232	0.39772	0.0001
MANGANESE	50	P01055	BERYLLIUM	P01012	191	0.26045	0.0003
MANGANESE	50	P01056	BERYLLIUM	P01010	2696	0.94967	0.0001
MANGANESE	50	P01055	CADMIUM	P01025	267	0.65182	0.0001
MANGANESE	50	P01056	CADMIUM	P01025	3461	0.1579	0.0001
MANGANESE	50	P01056	CADMIUM	P01027	134	0.19613	0.0231
MANGANESE	50	P01056	CHROMIUM	P01030	3237	0.74495	0.0001
MANGANESE	50	P01055	CONDUCTANCE	P00095	580	0.37649	0.0001
MANGANESE	50	P01056	CONDUCTANCE	P00095	7811	0.07527	0.0001
MANGANESE	50	P01055	CYANIDE	P00720	195	0.33298	0.0001
MANGANESE	50	P01056	CYANIDE	P00720	47	0.33319	0.0221
MANGANESE	50	P01056	CYANIDE	P00723	224	0.85256	0.0001
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	455	-0.11994	0.0104
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	324	0.59472	0.0001
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	5536	0.1087	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
MANGANESE	50	P01055	HARDNESS	P00900	479	0.54753	0.0001
MANGANESE	50	P01056	HARDNESS	P00900	7823	0.2871	0.0001
MANGANESE	50	P01055	IRON	P01045	849	0.83188	0.0001
MANGANESE	50	P01055	IRON	P01046	413	0.61323	0.0001
MANGANESE	50	P01055	IRON	P01047	104	0.90836	0.0001
MANGANESE	50	P01056	IRON	P01045	375	0.65528	0.0001
MANGANESE	50	P01056	IRON	P01046	8362	0.60035	0.0001
MANGANESE	50	P01056	IRON	P01047	137	0.91931	0.0001
MANGANESE	50	P01055	MERCURY	P71900	395	0.11734	0.0197
MANGANESE	50	P01055	NICKEL	P01065	257	0.73393	0.0001
MANGANESE	50	P01055	NICKEL	P01067	244	0.13621	0.0334
MANGANESE	50	P01056	NICKEL	P01065	2749	0.77306	0.0001
MANGANESE	50	P01055	PH	P00400	733	-0.26764	0.0001
MANGANESE	50	P01056	PH	P00400	7592	-0.1898	0.0001
MANGANESE	50	P01056	RADON	P76002	976	0.33462	0.0001
MANGANESE	50	P01056	RADON	P82303	978	0.37815	0.0001
MANGANESE	50	P01055	SELENIUM	P01147	394	0.11559	0.0217
MANGANESE	50	P01056	SELENIUM	P01147	133	0.28187	0.001
MANGANESE	50	P01055	SULFATE	P00945	668	0.71841	0.0001
MANGANESE	50	P01056	SULFATE	P00945	7160	0.39334	0.0001
MANGANESE	50	P01056	THALLIUM	P01057	231	-0.20815	0.0015
MANGANESE	50	P01055	TURBIDITY	P00076	55	0.3676	0.0058
MANGANESE	50	P01056	URANIUM-235	P22620	58	0.40413	0.0017
MERCURY	0	P71900	ALKALINITY	P39036	17	0.86532	0.0001
MERCURY	0	P71890	CONDUCTANCE	P00095	2997	0.04474	0.0143
MERCURY	0	P71900	CONDUCTANCE	P00095	705	-0.12377	0.001
MERCURY	0	P71900	DEPTH-BELOW-LAN	P72019	298	-0.12207	0.0352
MERCURY	0	P71890	HARDNESS	P00900	2959	0.05951	0.0012
MERCURY	0	P71890	NICKEL	P01065	1975	0.38437	0.0001
MERCURY	0	P71890	NICKEL	P01067	87	0.33019	0.0018
MERCURY	0	P71900	NICKEL	P01067	659	0.676	0.0001
MERCURY	0	P71890	NITRITE	P00613	2438	0.36018	0.0001
MERCURY	0	P71890	NITRITE	P00615	11	-1	0.0001
MERCURY	0	P71900	NITRITE	P00613	527	0.29945	0.0001
MERCURY	0	P71900	NITRITE	P00615	231	0.18409	0.005
MERCURY	0	P71890	PH	P00400	3071	-0.05733	0.0015
MERCURY	0	P71900	PH	P00400	867	-0.36799	0.0001
MERCURY	0	P71890	SELENIUM	P01145	2724	0.09037	0.0001
MERCURY	0	P71890	SELENIUM	P01147	108	0.62735	0.0001
MERCURY	0	P71900	SELENIUM	P01147	791	0.30335	0.0001
MERCURY	0	P71890	THALLIUM	P01059	66	0.28404	0.0208
MERCURY	0	P71900	THALLIUM	P01057	143	0.40636	0.0001
MERCURY	0	P71900	THALLIUM	P01059	245	0.23272	0.0002
MERCURY	0	P71900	WELL-DEPTH	P72008	884	-0.16011	0.0001
MERCURY	2	P71900	CADMIUM	P01027	8	0.73856	0.0364
MERCURY	2	P71900	NITRITE	P00613	9	-0.79556	0.0103
NICKEL	0	P01065	CONDUCTANCE	P00095	6009	0.10367	0.0001
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	4834	0.14537	0.0001
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	342	0.12491	0.0209
NICKEL	0	P01065	HARDNESS	P00900	6135	0.3021	0.0001
NICKEL	0	P01067	HARDNESS	P00900	445	0.1327	0.0051
NICKEL	0	P01065	NITRITE	P00613	4835	0.11094	0.0001
NICKEL	0	P01065	PH	P00400	5958	-0.11674	0.0001
NICKEL	0	P01067	PH	P00400	746	-0.41056	0.0001
NICKEL	0	P01065	SELENIUM	P01147	301	0.51052	0.0001
NICKEL	0	P01067	SELENIUM	P01145	195	-0.15676	0.0286
NICKEL	0	P01067	SELENIUM	P01147	678	0.33583	0.0001
NICKEL	0	P01065	THALLIUM	P01057	640	0.2732	0.0001
NICKEL	0	P01065	THALLIUM	P01059	239	0.17406	0.007
NICKEL	0	P01067	THALLIUM	P01057	221	0.19876	0.003
NICKEL	0	P01067	THALLIUM	P01059	328	0.19394	0.0004
NICKEL	0	P01067	TURBIDITY	P00076	40	0.50731	0.0008
NICKEL	0	P01067	WELL-DEPTH	P72008	669	-0.16559	0.0001
NICKEL	100	P01067	ANTIMONY	P01095	11	0.71491	0.0134
NICKEL	100	P01067	ARSENIC	P01002	43	0.44102	0.0031
NICKEL	100	P01065	BARIUM	P01005	159	0.18889	0.0171
NICKEL	100	P01067	BARIUM	P01005	35	0.56863	0.0004

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
NICKEL	100	P01067	BARIUM	P01007	33	0.66561	0.0001
NICKEL	100	P01065	BERYLLIUM	P01010	107	0.69839	0.0001
NICKEL	100	P01067	CADMIUM	P01027	43	0.44239	0.003
NICKEL	100	P01065	CHROMIUM	P01030	169	0.54727	0.0001
NICKEL	100	P01067	CHROMIUM	P01034	43	0.4049	0.0071
NICKEL	100	P01065	CONDUCTANCE	P00095	148	0.16301	0.0478
NICKEL	100	P01067	CONDUCTANCE	P00095	44	0.36947	0.0136
NICKEL	100	P01067	CYANIDE	P00720	20	-0.5005	0.0246
NICKEL	100	P01065	DEPTH-BELOW-LAN	P72019	63	0.4377	0.0003
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	60	0.73205	0.0001
NICKEL	100	P01065	HARDNESS	P00900	167	0.55816	0.0001
NICKEL	100	P01065	IRON	P01045	59	0.88499	0.0001
NICKEL	100	P01065	IRON	P01046	169	0.49228	0.0001
NICKEL	100	P01065	IRON	P01047	37	0.55986	0.0003
NICKEL	100	P01065	MANGANESE	P01055	64	0.66039	0.0001
NICKEL	100	P01065	MANGANESE	P01056	167	0.73596	0.0001
NICKEL	100	P01065	MERCURY	P71890	55	0.5071	0.0001
NICKEL	100	P01065	NITRATE	P00618	21	0.91112	0.0001
NICKEL	100	P01065	NITRITE	P00613	55	0.95956	0.0001
NICKEL	100	P01067	PH	P00400	44	0.54951	0.0001
NICKEL	100	P01065	SELENIUM	P01147	12	0.95812	0.0001
NICKEL	100	P01067	SELENIUM	P01145	19	0.53828	0.0174
NICKEL	100	P01065	SULFATE	P00945	168	0.61033	0.0001
NICKEL	100	P01065	TURBIDITY	P00076	14	0.75905	0.0016
NICKEL	100	P01065	WELL-DEPTH	P72008	57	0.314	0.0174
NITRATE	0	P00618	ANTIMONY	P01095	613	-0.08996	0.0259
NITRATE	0	P00618	ANTIMONY	P01097	43	-0.42165	0.0049
NITRATE	0	P00618	CONDUCTANCE	P00095	4987	0.30673	0.0001
NITRATE	0	P00618	CYANIDE	P00720	82	-0.24676	0.0254
NITRATE	0	P00618	CYANIDE	P00723	86	0.69416	0.0001
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	2753	-0.08765	0.0001
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	2803	0.13162	0.0001
NITRATE	0	P00618	HARDNESS	P00900	3460	0.12463	0.0001
NITRATE	0	P00618	MANGANESE	P01055	263	-0.14585	0.0179
NITRATE	0	P00618	MERCURY	P71890	443	0.3207	0.0001
NITRATE	0	P00618	MERCURY	P71900	175	-0.24799	0.0009
NITRATE	0	P00618	NICKEL	P01067	58	-0.44415	0.0005
NITRATE	0	P00618	NITRITE	P00613	4453	0.23569	0.0001
NITRATE	0	P00618	SELENIUM	P01145	1161	0.45438	0.0001
NITRATE	0	P00618	SELENIUM	P01147	179	0.31225	0.0001
NITRATE	0	P00618	THALLIUM	P01057	128	0.35292	0.0001
NITRATE	0	P00618	URANIUM-235	P22620	9	0.78102	0.013
NITRATE	0	P00618	URANIUM-238	P22603	9	0.72638	0.0267
NITRATE	0	P00618	WELL-DEPTH	P72008	4581	-0.06917	0.0001
NITRATE	8	P00618	ALKALINITY	P39036	60	0.31817	0.0132
NITRATE	8	P00618	BARIUM	P01005	206	0.26281	0.0001
NITRATE	8	P00618	CONDUCTANCE	P00095	808	0.46383	0.0001
NITRATE	8	P00618	CYANIDE	P00720	11	0.97066	0.0001
NITRATE	8	P00618	CYANIDE	P00723	6	0.92684	0.0078
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	583	-0.24029	0.0001
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	430	0.13226	0.006
NITRATE	8	P00618	HARDNESS	P00900	490	0.09472	0.0361
NITRATE	8	P00618	NITRITE	P00613	941	0.22585	0.0001
NITRATE	8	P00618	PH	P00400	853	0.0776	0.0234
NITRATE	8	P00618	SELENIUM	P01145	164	0.35273	0.0001
NITRATE	8	P00618	SELENIUM	P01147	12	0.69868	0.0115
NITRATE	8	P00618	THALLIUM	P01057	5	0.96981	0.0063
NITRATE	10	P00618	BARIUM	P01005	155	0.29545	0.0002
NITRATE	10	P00618	CONDUCTANCE	P00095	634	0.45473	0.0001
NITRATE	10	P00618	CYANIDE	P00720	7	0.97413	0.0002
NITRATE	10	P00618	CYANIDE	P00723	4	0.98618	0.0138
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	469	-0.255	0.0001
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	330	0.11889	0.0308
NITRATE	10	P00618	NITRITE	P00613	748	0.21877	0.0001
NITRATE	10	P00618	PH	P00400	675	0.08162	0.034
NITRATE	10	P00618	SELENIUM	P01145	128	0.33229	0.0001
NITRATE	10	P00618	SELENIUM	P01147	8	0.77842	0.0229

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
NITRITE	0	P00613	ALKALINITY	P39036	2003	0.08179	0.0002
NITRITE	0	P00613	CONDUCTANCE	P00095	21686	0.19129	0.0001
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	12066	-0.03424	0.0002
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	15478	0.29656	0.0001
NITRITE	0	P00613	HARDNESS	P00900	17234	0.26483	0.0001
NITRITE	0	P00613	PH	P00400	21570	0.01695	0.0128
NITRITE	0	P00615	PH	P00400	737	-0.1496	0.0001
NITRITE	0	P00613	SELENIUM	P01145	6093	0.18382	0.0001
NITRITE	0	P00613	SELENIUM	P01147	333	0.69705	0.0001
NITRITE	0	P00615	SELENIUM	P01145	87	-0.7614	0.0001
NITRITE	0	P00613	THALLIUM	P01057	423	0.12716	0.0088
NITRITE	0	P00613	WELL-DEPTH	P72008	20068	-0.04116	0.0001
NITRITE	0	P00615	WELL-DEPTH	P72008	692	-0.07701	0.0429
NITRITE	1	P00613	CONDUCTANCE	P00095	177	0.33549	0.0001
NITRITE	1	P00613	DISSOLVED-SOLID	P70301	55	0.3622	0.0066
NITRITE	1	P00613	HARDNESS	P00900	72	0.27844	0.0179
NITRITE	1	P00613	SULFATE	P00945	99	0.38075	0.0001
PH	0	P00400	ALKALINITY	P39036	2635	-0.11673	0.0001
PH	0	P00400	CONDUCTANCE	P00095	42943	0.03435	0.0001
PH	0	P00400	DISSOLVED-OXYGE	P00300	21265	-0.03435	0.0001
RADIUM-226	0	P09511	BARIUM	P01005	136	0.51531	0.0001
RADIUM-226	0	P76001	BARIUM	P01005	170	0.37187	0.0001
RADIUM-226	0	P09511	CONDUCTANCE	P00095	133	0.4471	0.0001
RADIUM-226	0	P76001	CONDUCTANCE	P00095	217	0.20858	0.002
RADIUM-226	0	P09511	DISSOLVED-OXYGE	P00300	86	0.34009	0.0014
RADIUM-226	0	P09511	DISSOLVED-SOLID	P70301	74	0.60988	0.0001
RADIUM-226	0	P76001	DISSOLVED-SOLID	P70301	142	0.36077	0.0001
RADIUM-226	0	P09511	HARDNESS	P00900	147	0.33298	0.0001
RADIUM-226	0	P76001	HARDNESS	P00900	220	0.16799	0.0126
RADIUM-226	0	P09510	MANGANESE	P01055	15	0.52141	0.0462
RADIUM-226	0	P09510	MANGANESE	P01056	92	0.35796	0.0005
RADIUM-226	0	P09511	MANGANESE	P01054	5	-0.99511	0.0004
RADIUM-226	0	P09511	MERCURY	P71890	118	0.54603	0.0001
RADIUM-226	0	P76001	MERCURY	P71890	155	0.42966	0.0001
RADIUM-226	0	P09510	PH	P00400	97	-0.40956	0.0001
RADIUM-226	0	P09511	PH	P00400	132	-0.3737	0.0001
RADIUM-226	0	P76001	PH	P00400	215	-0.26608	0.0001
RADIUM-226	0	P09511	SELENIUM	P01145	72	0.36615	0.0016
RADIUM-226	0	P09511	THALLIUM	P01057	11	0.89545	0.0002
RADIUM-226	0	P76001	THALLIUM	P01057	55	0.63168	0.0001
RADIUM-226	0	P09511	TURBIDITY	P00076	93	-0.29153	0.0046
RADIUM-226	0	P09511	URANIUM-238	P22603	40	0.46628	0.0024
RADIUM-226	0	P76001	URANIUM-238	P22603	45	0.47639	0.0009
RADIUM-226	0	P09511	WELL-DEPTH	P72008	106	-0.20867	0.0318
RADIUM-226	3	P09511	ANTIMONY	P01095	16	0.7324	0.0013
RADIUM-226	3	P09511	ARSENIC	P01000	18	0.73355	0.0005
RADIUM-226	3	P09511	BERYLLIUM	P01010	18	0.73485	0.0005
RADIUM-226	3	P09511	CADMIUM	P01025	18	0.73254	0.0005
RADIUM-226	3	P09511	CHROMIUM	P01030	18	0.71791	0.0008
RADIUM-226	3	P09511	CONDUCTANCE	P00095	18	0.73493	0.0005
RADIUM-226	3	P09511	HARDNESS	P00900	18	0.69718	0.0013
RADIUM-226	3	P09510	MANGANESE	P01055	4	0.95841	0.0416
RADIUM-226	3	P09510	MANGANESE	P01056	11	0.90997	0.0001
RADIUM-226	3	P09511	NICKEL	P01065	18	0.72817	0.0006
RADIUM-226	3	P09511	SELENIUM	P01145	3	0.99868	0.0327
RADIUM-226	3	P09511	SULFATE	P00945	18	0.72766	0.0006
RADIUM-226	3	P09511	WELL-DEPTH	P72008	16	0.69189	0.003
RADIUM-226	4	P09511	ANTIMONY	P01095	10	0.74279	0.0138
RADIUM-226	4	P09511	ARSENIC	P01000	11	0.74392	0.0087
RADIUM-226	4	P09511	BERYLLIUM	P01010	11	0.7452	0.0085
RADIUM-226	4	P09511	CADMIUM	P01025	11	0.74112	0.0091
RADIUM-226	4	P09511	CHROMIUM	P01030	11	0.73081	0.0106
RADIUM-226	4	P09510	CONDUCTANCE	P00095	7	0.77364	0.0413
RADIUM-226	4	P09511	CONDUCTANCE	P00095	11	0.74564	0.0084
RADIUM-226	4	P09511	DISSOLVED-OXYGE	P00300	9	-0.76254	0.0169
RADIUM-226	4	P09511	HARDNESS	P00900	11	0.72478	0.0116
RADIUM-226	4	P09510	MANGANESE	P01055	4	0.95841	0.0416

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
RADIUM-226	4	P09510	MANGANESE	P01056	7	0.90644	0.0049
RADIUM-226	4	P09511	MERCURY	P71890	6	0.94093	0.0051
RADIUM-226	4	P09511	NICKEL	P01065	11	0.75295	0.0075
RADIUM-226	4	P09511	SULFATE	P00945	11	0.74086	0.0091
RADIUM-226	4	P09511	WELL-DEPTH	P72008	10	0.79139	0.0064
RADON	0	P76002	BARIUM	P01005	1871	-0.09858	0.0001
RADON	0	P82303	BARIUM	P01005	1912	-0.08046	0.0004
RADON	0	P76002	BERYLLIUM	P01010	1832	0.18658	0.0001
RADON	0	P76002	BERYLLIUM	P01012	17	0.76736	0.0003
RADON	0	P82303	BERYLLIUM	P01010	1872	0.22925	0.0001
RADON	0	P76002	CADMIUM	P01025	2531	0.17663	0.0001
RADON	0	P82303	CADMIUM	P01025	2574	0.21251	0.0001
RADON	0	P76002	CHROMIUM	P01030	2518	0.23412	0.0001
RADON	0	P82303	CHROMIUM	P01030	2561	0.28438	0.0001
RADON	0	P76002	DISSOLVED-OXYGE	P00300	3542	0.10392	0.0001
RADON	0	P82303	DISSOLVED-OXYGE	P00300	3573	0.07587	0.0001
RADON	0	P76002	DISSOLVED-SOLID	P70301	3826	-0.0328	0.0425
RADON	0	P76002	HARDNESS	P00900	4175	0.07451	0.0001
RADON	0	P82303	HARDNESS	P00900	4224	0.14193	0.0001
RADON	0	P76002	IRON	P01046	4153	0.08828	0.0001
RADON	0	P82303	IRON	P01046	4194	0.10542	0.0001
RADON	0	P76002	MANGANESE	P01055	155	-0.16319	0.0425
RADON	0	P76002	MANGANESE	P01056	4152	0.16923	0.0001
RADON	0	P82303	MANGANESE	P01056	4192	0.2281	0.0001
RADON	0	P76002	NICKEL	P01065	1838	0.14578	0.0001
RADON	0	P82303	NICKEL	P01065	1879	0.15019	0.0001
RADON	0	P76002	NITRITE	P00613	4131	0.04569	0.0033
RADON	0	P76002	PH	P00400	4733	-0.2121	0.0001
RADON	0	P82303	PH	P00400	4773	-0.19188	0.0001
RADON	0	P76002	WELL-DEPTH	P72008	4368	-0.03829	0.0114
RADON	100	P82303	BARIUM	P01005	1794	-0.08325	0.0004
RADON	100	P82303	BERYLLIUM	P01010	1755	0.26644	0.0001
RADON	100	P82303	CADMIUM	P01025	2407	0.23727	0.0001
RADON	100	P82303	CHROMIUM	P01030	2394	0.33221	0.0001
RADON	100	P82303	DISSOLVED-OXYGE	P00300	3375	0.07551	0.0001
RADON	100	P82303	HARDNESS	P00900	3978	0.15574	0.0001
RADON	100	P82303	IRON	P01046	3947	0.15775	0.0001
RADON	100	P82303	MANGANESE	P01056	3945	0.26868	0.0001
RADON	100	P82303	NICKEL	P01065	1762	0.19048	0.0001
RADON	100	P82303	PH	P00400	4514	-0.19483	0.0001
RADON	100	P82303	SULFATE	P00945	4048	0.22443	0.0001
RADON	100	P76002	TURBIDITY	P00076	4	0.98477	0.0152
RADON	300	P82303	BARIUM	P01005	1346	-0.08574	0.0016
RADON	300	P82303	BERYLLIUM	P01010	1312	0.29348	0.0001
RADON	300	P82303	CADMIUM	P01025	1835	0.27461	0.0001
RADON	300	P82303	CHROMIUM	P01030	1825	0.33496	0.0001
RADON	300	P82303	DISSOLVED-OXYGE	P00300	2549	0.06532	0.001
RADON	300	P82303	HARDNESS	P00900	2980	0.18491	0.0001
RADON	300	P82303	IRON	P01046	2961	0.3715	0.0001
RADON	300	P82303	MANGANESE	P01056	2960	0.30518	0.0001
RADON	300	P82303	NICKEL	P01065	1319	0.24804	0.0001
RADON	300	P82303	PH	P00400	3425	-0.22019	0.0001
RADON	300	P82303	SULFATE	P00945	3040	0.26141	0.0001
RADON	500	P82303	BARIUM	P01005	1044	-0.09817	0.0015
RADON	500	P82303	BERYLLIUM	P01010	1014	0.2883	0.0001
RADON	500	P82303	CADMIUM	P01025	1367	0.27029	0.0001
RADON	500	P82303	CHROMIUM	P01030	1359	0.3347	0.0001
RADON	500	P82303	DISSOLVED-OXYGE	P00300	1791	0.06617	0.0051
RADON	500	P82303	HARDNESS	P00900	2032	0.2005	0.0001
RADON	500	P82303	IRON	P01046	2079	0.37464	0.0001
RADON	500	P82303	MANGANESE	P01056	2080	0.30351	0.0001
RADON	500	P82303	NICKEL	P01065	1020	0.24192	0.0001
RADON	500	P82303	PH	P00400	2329	-0.22191	0.0001
RADON	500	P82303	SULFATE	P00945	2070	0.26947	0.0001
RADON	1000	P82303	BARIUM	P01005	576	-0.10866	0.0091
RADON	1000	P82303	BERYLLIUM	P01010	570	0.30282	0.0001
RADON	1000	P82303	CADMIUM	P01025	690	0.27626	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
RADON	1000	P82303	CHROMIUM	P01030	689	0.34521	0.0001
RADON	1000	P82303	DEPTH-BELOW-LAN	P72019	408	0.10474	0.0344
RADON	1000	P82303	HARDNESS	P00900	986	0.28258	0.0001
RADON	1000	P82303	IRON	P01046	1008	0.3804	0.0001
RADON	1000	P82303	MANGANESE	P01056	1008	0.31326	0.0001
RADON	1000	P82303	NICKEL	P01065	571	0.25339	0.0001
RADON	1000	P82303	PH	P00400	1164	-0.18757	0.0001
RADON	1000	P82303	SULFATE	P00945	1004	0.30173	0.0001
RADON	1000	P82303	WELL-DEPTH	P72008	1054	0.07292	0.0179
RADON	3000	P82303	BERYLLIUM	P01010	177	0.37503	0.0001
RADON	3000	P82303	CADMIUM	P01025	185	0.33238	0.0001
RADON	3000	P82303	CHROMIUM	P01030	185	0.42075	0.0001
RADON	3000	P82303	CONDUCTANCE	P00095	328	0.30389	0.0001
RADON	3000	P82303	DEPTH-BELOW-LAN	P72019	110	0.38636	0.0001
RADON	3000	P82303	DISSOLVED-SOLID	P70301	252	0.24281	0.0001
RADON	3000	P82303	HARDNESS	P00900	276	0.39128	0.0001
RADON	3000	P82303	IRON	P01046	273	0.38167	0.0001
RADON	3000	P82303	MANGANESE	P01056	273	0.35214	0.0001
RADON	3000	P82303	NICKEL	P01065	177	0.35121	0.0001
RADON	3000	P82303	SULFATE	P00945	275	0.37468	0.0001
SELENIUM	0	P01145	ALKALINITY	P39036	437	0.30381	0.0001
SELENIUM	0	P01145	CONDUCTANCE	P00095	7484	0.27548	0.0001
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	302	0.18565	0.0012
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	6665	0.12364	0.0001
SELENIUM	0	P01147	DISSOLVED-SOLID	P70301	352	0.13091	0.014
SELENIUM	0	P01145	HARDNESS	P00900	7241	0.12773	0.0001
SELENIUM	0	P01147	HARDNESS	P00900	464	0.28665	0.0001
SELENIUM	0	P01147	PH	P00400	894	-0.15485	0.0001
SELENIUM	0	P01145	THALLIUM	P01059	133	-0.26076	0.0024
SELENIUM	0	P01147	THALLIUM	P01057	221	0.27399	0.0001
SELENIUM	0	P01147	THALLIUM	P01059	328	0.82879	0.0001
SELENIUM	0	P01145	WELL-DEPTH	P72008	6499	-0.02874	0.0205
SELENIUM	0	P01147	WELL-DEPTH	P72008	783	-0.22891	0.0001
SELENIUM	50	P01145	CONDUCTANCE	P00095	342	0.42932	0.0001
SELENIUM	50	P01145	DEPTH-BELOW-LAN	P72019	91	-0.27951	0.0073
SELENIUM	50	P01145	NITRATE	P00618	50	0.58813	0.0001
SULFATE	0	P00945	ALKALINITY	P39036	2190	0.29746	0.0001
SULFATE	0	P00945	ANTIMONY	P01095	2780	0.52161	0.0001
SULFATE	0	P00945	BARIUM	P01005	7384	-0.0504	0.0001
SULFATE	0	P00945	BERYLLIUM	P01010	5715	0.37988	0.0001
SULFATE	0	P00945	CADMIUM	P01025	8691	0.18851	0.0001
SULFATE	0	P00945	CADMIUM	P01027	918	0.27027	0.0001
SULFATE	0	P00945	CONDUCTANCE	P00095	24643	0.46122	0.0001
SULFATE	0	P00945	CYANIDE	P00720	507	-0.12511	0.0048
SULFATE	0	P00945	CYANIDE	P00723	1129	0.55519	0.0001
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	12535	-0.03587	0.0001
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	20719	0.37724	0.0001
SULFATE	0	P00945	HARDNESS	P00900	23939	0.62441	0.0001
SULFATE	0	P00945	IRON	P01045	1959	0.49093	0.0001
SULFATE	0	P00945	IRON	P01046	20681	0.27315	0.0001
SULFATE	0	P00945	IRON	P01047	174	0.81772	0.0001
SULFATE	0	P00945	MANGANESE	P01055	1423	0.68716	0.0001
SULFATE	0	P00945	MANGANESE	P01056	20209	0.33576	0.0001
SULFATE	0	P00945	NICKEL	P01065	5789	0.26265	0.0001
SULFATE	0	P00945	NICKEL	P01067	700	0.24209	0.0001
SULFATE	0	P00945	NITRATE	P00618	4100	0.09828	0.0001
SULFATE	0	P00945	NITRITE	P00613	17788	0.35678	0.0001
SULFATE	0	P00945	PH	P00400	24014	-0.05336	0.0001
SULFATE	0	P00945	RADIUM-226	P09511	139	0.42118	0.0001
SULFATE	0	P00945	RADIUM-226	P76001	213	0.19929	0.0035
SULFATE	0	P00945	RADON	P76002	4255	0.14727	0.0001
SULFATE	0	P00945	RADON	P82303	4295	0.20022	0.0001
SULFATE	0	P00945	SELENIUM	P01145	7222	0.12092	0.0001
SULFATE	0	P00945	SELENIUM	P01147	736	0.2593	0.0001
SULFATE	0	P00945	URANIUM-235	P22620	137	0.59809	0.0001
SULFATE	0	P00945	URANIUM-238	P22603	137	0.22979	0.0069
SULFATE	0	P00945	WELL-DEPTH	P72008	22549	-0.02257	0.0007

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
SULFATE	25	P00945	ALKALINITY	P39036	1816	0.33028	0.0001
SULFATE	25	P00945	ANTIMONY	P01095	1432	0.53071	0.0001
SULFATE	25	P00945	BARIUM	P01005	4158	-0.08407	0.0001
SULFATE	25	P00945	BERYLLIUM	P01010	3100	0.37758	0.0001
SULFATE	25	P00945	CADMIUM	P01025	4757	0.18122	0.0001
SULFATE	25	P00945	CADMIUM	P01027	534	0.27427	0.0001
SULFATE	25	P00945	CHROMIUM	P01030	4634	0.24968	0.0001
SULFATE	25	P00945	CONDUCTANCE	P00095	13826	0.46514	0.0001
SULFATE	25	P00945	CYANIDE	P00723	560	0.5668	0.0001
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	11702	0.36996	0.0001
SULFATE	25	P00945	HARDNESS	P00900	13438	0.63068	0.0001
SULFATE	25	P00945	IRON	P01045	1096	0.49149	0.0001
SULFATE	25	P00945	IRON	P01046	11190	0.27191	0.0001
SULFATE	25	P00945	IRON	P01047	161	0.81623	0.0001
SULFATE	25	P00945	MANGANESE	P01055	716	0.69225	0.0001
SULFATE	25	P00945	MANGANESE	P01056	11003	0.334	0.0001
SULFATE	25	P00945	MERCURY	P71890	1588	0.04931	0.0495
SULFATE	25	P00945	NICKEL	P01065	3061	0.25543	0.0001
SULFATE	25	P00945	NICKEL	P01067	430	0.25495	0.0001
SULFATE	25	P00945	NITRATE	P00618	2259	0.08675	0.0001
SULFATE	25	P00945	NITRITE	P00613	9399	0.35465	0.0001
SULFATE	25	P00945	NITRITE	P00615	234	-0.18244	0.0051
SULFATE	25	P00945	PH	P00400	13354	-0.13841	0.0001
SULFATE	25	P00945	RADIUM-226	P09511	42	0.75334	0.0001
SULFATE	25	P00945	RADIUM-226	P76001	77	0.45354	0.0001
SULFATE	25	P00945	RADON	P76002	2012	0.23344	0.0001
SULFATE	25	P00945	RADON	P82303	2017	0.28729	0.0001
SULFATE	25	P00945	SELENIUM	P01145	3911	0.11737	0.0001
SULFATE	25	P00945	SELENIUM	P01147	451	0.212	0.0001
SULFATE	25	P00945	URANIUM-235	P22620	94	0.57683	0.0001
SULFATE	25	P00945	URANIUM-238	P22603	94	0.20742	0.0449
SULFATE	25	P00945	WELL-DEPTH	P72008	12625	-0.04425	0.0001
SULFATE	120	P00945	ALKALINITY	P39036	1156	0.36239	0.0001
SULFATE	120	P00945	ANTIMONY	P01095	641	0.52571	0.0001
SULFATE	120	P00945	BERYLLIUM	P01010	1402	0.36264	0.0001
SULFATE	120	P00945	BERYLLIUM	P01012	100	0.38634	0.0001
SULFATE	120	P00945	CADMIUM	P01025	2047	0.15934	0.0001
SULFATE	120	P00945	CADMIUM	P01027	180	0.25961	0.0004
SULFATE	120	P00945	CHROMIUM	P01030	1880	0.20827	0.0001
SULFATE	120	P00945	CHROMIUM	P01034	184	-0.17909	0.015
SULFATE	120	P00945	CONDUCTANCE	P00095	6238	0.43306	0.0001
SULFATE	120	P00945	CYANIDE	P00723	98	0.57433	0.0001
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	4907	0.34905	0.0001
SULFATE	120	P00945	HARDNESS	P00900	6241	0.60723	0.0001
SULFATE	120	P00945	IRON	P01045	408	0.50435	0.0001
SULFATE	120	P00945	IRON	P01046	4752	0.26248	0.0001
SULFATE	120	P00945	IRON	P01047	89	0.80803	0.0001
SULFATE	120	P00945	MANGANESE	P01055	243	0.68417	0.0001
SULFATE	120	P00945	MANGANESE	P01056	4658	0.32775	0.0001
SULFATE	120	P00945	NICKEL	P01065	1495	0.23888	0.0001
SULFATE	120	P00945	NITRATE	P00618	1036	0.24868	0.0001
SULFATE	120	P00945	NITRITE	P00613	3520	0.35439	0.0001
SULFATE	120	P00945	NITRITE	P00615	113	-0.18749	0.0467
SULFATE	120	P00945	PH	P00400	6014	-0.20029	0.0001
SULFATE	120	P00945	RADIUM-226	P09511	23	0.88354	0.0001
SULFATE	120	P00945	RADIUM-226	P76001	17	0.55799	0.0199
SULFATE	120	P00945	RADON	P76002	608	0.43948	0.0001
SULFATE	120	P00945	RADON	P82303	611	0.42207	0.0001
SULFATE	120	P00945	SELENIUM	P01145	1558	0.10551	0.0001
SULFATE	120	P00945	SELENIUM	P01147	172	0.26208	0.0005
SULFATE	120	P00945	URANIUM-235	P22620	68	0.54752	0.0001
SULFATE	120	P00945	WELL-DEPTH	P72008	5722	-0.09041	0.0001
SULFATE	150	P00945	ALKALINITY	P39036	908	0.34368	0.0001
SULFATE	150	P00945	ANTIMONY	P01095	554	0.51825	0.0001
SULFATE	150	P00945	BERYLLIUM	P01010	1225	0.35853	0.0001
SULFATE	150	P00945	BERYLLIUM	P01012	83	0.45432	0.0001
SULFATE	150	P00945	CADMIUM	P01025	1775	0.15332	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
SULFATE	150	P00945	CADMIUM	P01027	149	0.25466	0.0017
SULFATE	150	P00945	CHROMIUM	P01030	1632	0.20526	0.0001
SULFATE	150	P00945	CHROMIUM	P01034	154	-0.21764	0.0067
SULFATE	150	P00945	CONDUCTANCE	P00095	5251	0.42385	0.0001
SULFATE	150	P00945	CYANIDE	P00723	67	0.57079	0.0001
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	4046	0.34175	0.0001
SULFATE	150	P00945	HARDNESS	P00900	5282	0.59864	0.0001
SULFATE	150	P00945	IRON	P01045	313	0.49172	0.0001
SULFATE	150	P00945	IRON	P01046	4016	0.25914	0.0001
SULFATE	150	P00945	IRON	P01047	86	0.80942	0.0001
SULFATE	150	P00945	MANGANESE	P01055	206	0.68251	0.0001
SULFATE	150	P00945	MANGANESE	P01056	3929	0.32541	0.0001
SULFATE	150	P00945	NICKEL	P01065	1339	0.23512	0.0001
SULFATE	150	P00945	NITRATE	P00618	874	0.24277	0.0001
SULFATE	150	P00945	NITRITE	P00613	2876	0.37983	0.0001
SULFATE	150	P00945	PH	P00400	5047	-0.20064	0.0001
SULFATE	150	P00945	RADIUM-226	P09511	20	0.92528	0.0001
SULFATE	150	P00945	RADON	P76002	500	0.43818	0.0001
SULFATE	150	P00945	RADON	P82303	503	0.41859	0.0001
SULFATE	150	P00945	SELENIUM	P01145	1338	0.1022	0.0002
SULFATE	150	P00945	SELENIUM	P01147	142	0.26615	0.0014
SULFATE	150	P00945	URANIUM-235	P22620	66	0.54406	0.0001
SULFATE	150	P00945	WELL-DEPTH	P72008	4797	-0.08224	0.0001
SULFATE	250	P00945	ALKALINITY	P39036	525	0.27989	0.0001
SULFATE	250	P00945	ANTIMONY	P01095	392	0.49613	0.0001
SULFATE	250	P00945	BERYLLIUM	P01010	839	0.34291	0.0001
SULFATE	250	P00945	BERYLLIUM	P01012	31	0.45264	0.0106
SULFATE	250	P00945	CADMIUM	P01025	1280	0.1357	0.0001
SULFATE	250	P00945	CHROMIUM	P01030	1167	0.21311	0.0001
SULFATE	250	P00945	CHROMIUM	P01034	82	-0.23123	0.0366
SULFATE	250	P00945	CONDUCTANCE	P00095	3260	0.39728	0.0001
SULFATE	250	P00945	CYANIDE	P00723	35	0.55193	0.0006
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	2673	0.32118	0.0001
SULFATE	250	P00945	HARDNESS	P00900	3322	0.57154	0.0001
SULFATE	250	P00945	IRON	P01045	193	0.45797	0.0001
SULFATE	250	P00945	IRON	P01046	2716	0.24908	0.0001
SULFATE	250	P00945	IRON	P01047	79	0.81273	0.0001
SULFATE	250	P00945	MANGANESE	P01055	139	0.68579	0.0001
SULFATE	250	P00945	MANGANESE	P01056	2668	0.31834	0.0001
SULFATE	250	P00945	NICKEL	P01065	973	0.22139	0.0001
SULFATE	250	P00945	NITRATE	P00618	583	0.21582	0.0001
SULFATE	250	P00945	NITRITE	P00613	1835	0.39429	0.0001
SULFATE	250	P00945	PH	P00400	3095	-0.18829	0.0001
SULFATE	250	P00945	RADIUM-226	P09511	19	0.92555	0.0001
SULFATE	250	P00945	RADIUM-226	P76001	7	0.94114	0.0016
SULFATE	250	P00945	RADON	P76002	299	0.44087	0.0001
SULFATE	250	P00945	RADON	P82303	301	0.40886	0.0001
SULFATE	250	P00945	SELENIUM	P01145	1009	0.09437	0.0027
SULFATE	250	P00945	SELENIUM	P01147	76	0.23825	0.0382
SULFATE	250	P00945	URANIUM-235	P22620	61	0.53417	0.0001
SULFATE	250	P00945	WELL-DEPTH	P72008	3032	-0.09185	0.0001
SULFATE	500	P00945	ALKALINITY	P39036	325	0.26374	0.0001
SULFATE	500	P00945	ANTIMONY	P01095	232	0.42078	0.0001
SULFATE	500	P00945	BARIUM	P01005	785	0.11913	0.0008
SULFATE	500	P00945	BERYLLIUM	P01010	474	0.3005	0.0001
SULFATE	500	P00945	BERYLLIUM	P01012	7	0.87682	0.0096
SULFATE	500	P00945	CADMIUM	P01025	809	0.09914	0.0048
SULFATE	500	P00945	CHROMIUM	P01030	750	0.16201	0.0001
SULFATE	500	P00945	CONDUCTANCE	P00095	1796	0.34909	0.0001
SULFATE	500	P00945	CYANIDE	P00723	16	0.72828	0.0014
SULFATE	500	P00945	DEPTH-BELOW-LAN	P72019	588	-0.10364	0.0119
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	1498	0.27433	0.0001
SULFATE	500	P00945	HARDNESS	P00900	1863	0.51862	0.0001
SULFATE	500	P00945	IRON	P01045	133	0.41853	0.0001
SULFATE	500	P00945	IRON	P01046	1453	0.22441	0.0001
SULFATE	500	P00945	IRON	P01047	70	0.82213	0.0001
SULFATE	500	P00945	MANGANESE	P01055	99	0.72586	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
SULFATE	500	P00945	MANGANESE	P01056	1422	0.29836	0.0001
SULFATE	500	P00945	NICKEL	P01065	648	0.1942	0.0001
SULFATE	500	P00945	NITRATE	P00618	322	0.18691	0.0007
SULFATE	500	P00945	NITRITE	P00613	931	0.38431	0.0001
SULFATE	500	P00945	PH	P00400	1671	-0.16371	0.0001
SULFATE	500	P00945	RADIUM-226	P09511	4	0.9511	0.0489
SULFATE	500	P00945	RADIUM-226	P76001	4	0.95086	0.0491
SULFATE	500	P00945	RADON	P76002	170	0.43051	0.0001
SULFATE	500	P00945	RADON	P82303	171	0.39746	0.0001
SULFATE	500	P00945	TURBIDITY	P00076	81	0.24835	0.0254
SULFATE	500	P00945	URANIUM-235	P22620	53	0.51409	0.0001
SULFATE	500	P00945	WELL-DEPTH	P72008	1687	-0.17028	0.0001
THALLIUM	0	P01057	ALKALINITY	P39036	59	0.63701	0.0001
THALLIUM	0	P01059	CONDUCTANCE	P00095	347	0.1161	0.0306
THALLIUM	0	P01057	DEPTH-BELOW-LAN	P72019	175	-0.21249	0.0048
THALLIUM	0	P01059	DEPTH-BELOW-LAN	P72019	152	-0.19093	0.0185
THALLIUM	0	P01057	DISSOLVED-OXYGE	P00300	609	-0.2816	0.0001
THALLIUM	0	P01059	DISSOLVED-OXYGE	P00300	187	0.43154	0.0001
THALLIUM	0	P01057	PH	P00400	811	-0.3931	0.0001
THALLIUM	0	P01057	WELL-DEPTH	P72008	619	0.21661	0.0001
THALLIUM	0	P01059	WELL-DEPTH	P72008	274	-0.14358	0.0174
THALLIUM	2	P01057	ANTIMONY	P01095	235	-0.38832	0.0001
THALLIUM	2	P01057	ANTIMONY	P01097	106	-0.36373	0.0001
THALLIUM	2	P01059	ANTIMONY	P01095	79	0.78218	0.0001
THALLIUM	2	P01059	ANTIMONY	P01097	173	0.80006	0.0001
THALLIUM	2	P01059	ARSENIC	P01000	111	-0.43228	0.0001
THALLIUM	2	P01057	BERYLLIUM	P01012	106	-0.34603	0.0003
THALLIUM	2	P01059	CADMIUM	P01025	120	0.80186	0.0001
THALLIUM	2	P01059	CADMIUM	P01027	151	0.66145	0.0001
THALLIUM	2	P01057	CHROMIUM	P01030	289	-0.13809	0.0188
THALLIUM	2	P01059	CHROMIUM	P01030	120	0.80635	0.0001
THALLIUM	2	P01059	CHROMIUM	P01034	174	0.22512	0.0028
THALLIUM	2	P01057	CONDUCTANCE	P00095	259	-0.14967	0.0159
THALLIUM	2	P01059	CONDUCTANCE	P00095	175	0.20214	0.0073
THALLIUM	2	P01059	CYANIDE	P00720	84	1	0.0001
THALLIUM	2	P01059	DISSOLVED-OXYGE	P00300	111	0.5722	0.0001
THALLIUM	2	P01057	HARDNESS	P00900	210	-0.38753	0.0001
THALLIUM	2	P01057	IRON	P01046	210	0.13546	0.05
THALLIUM	2	P01057	MANGANESE	P01056	262	-0.28798	0.0001
THALLIUM	2	P01059	MANGANESE	P01056	120	-0.19076	0.0369
THALLIUM	2	P01057	MERCURY	P71890	192	-0.44117	0.0001
THALLIUM	2	P01059	MERCURY	P71890	66	0.28404	0.0208
THALLIUM	2	P01059	NICKEL	P01065	120	0.81354	0.0001
THALLIUM	2	P01059	NICKEL	P01067	174	0.19598	0.0095
THALLIUM	2	P01057	PH	P00400	284	-0.68165	0.0001
THALLIUM	2	P01059	PH	P00400	172	0.22728	0.0027
THALLIUM	2	P01057	SELENIUM	P01145	289	-0.45529	0.0001
THALLIUM	2	P01057	SELENIUM	P01147	106	-0.36012	0.0001
THALLIUM	2	P01059	SELENIUM	P01147	174	0.78502	0.0001
THALLIUM	2	P01057	SULFATE	P00945	236	-0.33571	0.0001
THALLIUM	2	P01057	WELL-DEPTH	P72008	172	0.32443	0.0001
URANIUM-235	0	P22620	ANTIMONY	P01095	52	0.33851	0.0141
URANIUM-235	0	P22620	BERYLLIUM	P01010	130	0.46581	0.0001
URANIUM-235	0	P22620	CADMIUM	P01025	130	0.50394	0.0001
URANIUM-235	0	P22620	CHROMIUM	P01030	131	0.56588	0.0001
URANIUM-235	0	P22620	HARDNESS	P00900	136	0.59125	0.0001
URANIUM-235	0	P22620	MANGANESE	P01056	137	0.46945	0.0001
URANIUM-235	0	P22620	NICKEL	P01065	130	0.46965	0.0001
URANIUM-235	0	P22620	NITRITE	P00613	89	0.31218	0.0029
URANIUM-235	0	P22620	PH	P00400	129	-0.54547	0.0001
URANIUM-235	0	P22620	SELENIUM	P01147	6	1	0.0001
URANIUM-235	0	P22620	URANIUM-238	P22603	141	0.52857	0.0001
URANIUM-238	0	P22603	ALKALINITY	P39036	6	-0.95754	0.0027
URANIUM-238	0	P22603	ANTIMONY	P01095	52	0.7451	0.0001
URANIUM-238	0	P22603	CADMIUM	P01027	41	-0.34955	0.0251
URANIUM-238	0	P22603	CHROMIUM	P01030	131	0.19209	0.0279
URANIUM-238	0	P22603	HARDNESS	P00900	136	0.30212	0.0004

Appendix E-significant. National correlation analysis. Significant correlation coefficients for ground water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
URANIUM-238	0	P22603	NITRITE	P00613	89	0.2655	0.0119
URANIUM-238	0	P22603	SELENIUM	P01147	6	0.99823	0.0001
URANIUM-238	0	P22603	THALLIUM	P01057	8	0.93451	0.0007
URANIUM-238	5	P22603	ANTIMONY	P01095	35	0.76095	0.0001
URANIUM-238	5	P22603	HARDNESS	P00900	79	0.27353	0.0147
URANIUM-238	5	P22603	RADIUM-226	P76001	12	0.61119	0.0347
URANIUM-238	5	P22603	THALLIUM	P01057	8	0.93451	0.0007
URANIUM-238	5	P22603	URANIUM-235	P22620	80	0.51543	0.0001
URANIUM-238	5	P22603	WELL-DEPTH	P72008	43	0.34322	0.0242
URANIUM-238	20	P22603	ANTIMONY	P01095	14	0.7607	0.0016
URANIUM-238	20	P22603	URANIUM-235	P22620	44	0.48822	0.0008
URANIUM-238	50	P22603	URANIUM-235	P22620	25	0.43316	0.0305
URANIUM-238	60	P22603	URANIUM-235	P22620	24	0.42709	0.0374
WELL-DEPTH	0	P72008	ALKALINITY	P39036	2157	-0.052	0.0157
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	48226	0.01442	0.0015
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	17864	0.03512	0.0001
WELL-DEPTH	0	P72008	PH	P00400	37006	0.32096	0.0001
WELL-DEPTH	0	P72008	TURBIDITY	P00076	1905	-0.08565	0.0002

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ALKALINITY	0	P39036	CONDUCTANCE	P00095	8300	0.06466	0.0001
ALKALINITY	0	P39036	TURBIDITY	P00076	2183	-0.04407	0.0395
ANTIMONY	0	P01095	ALKALINITY	P39036	143	0.18524	0.0268
ANTIMONY	0	P01095	BARIUM	P01005	3638	0.98305	0.0001
ANTIMONY	0	P01095	BERYLLIUM	P01010	3644	0.99945	0.0001
ANTIMONY	0	P01095	BERYLLIUM	P01012	288	-0.17227	0.0034
ANTIMONY	0	P01097	BERYLLIUM	P01010	337	0.15527	0.0043
ANTIMONY	0	P01095	CADMIUM	P01025	3675	0.99946	0.0001
ANTIMONY	0	P01097	CADMIUM	P01025	350	0.24764	0.0001
ANTIMONY	0	P01097	CADMIUM	P01027	663	0.76349	0.0001
ANTIMONY	0	P01095	CHROMIUM	P01030	3676	0.99941	0.0001
ANTIMONY	0	P01097	CHROMIUM	P01030	451	0.13648	0.0037
ANTIMONY	0	P01095	CONDUCTANCE	P00095	3422	0.82827	0.0001
ANTIMONY	0	P01097	CONDUCTANCE	P00095	886	-0.19301	0.0001
ANTIMONY	0	P01095	CYANIDE	P00720	204	0.2396	0.0006
ANTIMONY	0	P01097	CYANIDE	P00720	349	0.27464	0.0001
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	3302	-0.07574	0.0001
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	3212	0.59984	0.0001
ANTIMONY	0	P01095	HARDNESS	P00900	3572	0.09249	0.0001
ANTIMONY	0	P01097	HARDNESS	P00900	571	-0.08341	0.0463
ANTIMONY	0	P01095	IRON	P01046	3406	0.46408	0.0001
ANTIMONY	0	P01095	MANGANESE	P01055	720	0.09002	0.0157
ANTIMONY	0	P01095	MANGANESE	P01056	3670	0.09579	0.0001
ANTIMONY	0	P01095	MERCURY	P71900	573	0.08247	0.0485
ANTIMONY	0	P01097	MERCURY	P71890	221	0.33157	0.0001
ANTIMONY	0	P01097	MERCURY	P71900	618	0.67707	0.0001
ANTIMONY	0	P01095	NICKEL	P01065	3636	0.99308	0.0001
ANTIMONY	0	P01095	PH	P00400	3579	0.04165	0.0127
ANTIMONY	0	P01097	PH	P00400	867	-0.13833	0.0001
ANTIMONY	0	P01095	SELENIUM	P01145	2355	0.52096	0.0001
ANTIMONY	0	P01095	SELENIUM	P01147	503	0.71746	0.0001
ANTIMONY	0	P01097	SELENIUM	P01145	306	0.77263	0.0001
ANTIMONY	0	P01097	SELENIUM	P01147	798	0.22056	0.0001
ANTIMONY	0	P01095	THALLIUM	P01057	280	0.52819	0.0001
ANTIMONY	0	P01097	THALLIUM	P01057	69	0.7342	0.0001
ANTIMONY	0	P01097	THALLIUM	P01059	321	0.99722	0.0001
ANTIMONY	6	P01095	ARSENIC	P01000	291	0.42581	0.0001
ANTIMONY	6	P01095	BARIUM	P01005	258	0.99869	0.0001
ANTIMONY	6	P01095	BERYLLIUM	P01010	268	0.9996	0.0001
ANTIMONY	6	P01095	BERYLLIUM	P01012	15	-0.96442	0.0001
ANTIMONY	6	P01095	CADMIUM	P01025	282	0.99954	0.0001
ANTIMONY	6	P01095	CADMIUM	P01027	40	0.67469	0.0001
ANTIMONY	6	P01097	CADMIUM	P01025	29	0.5408	0.0025
ANTIMONY	6	P01097	CADMIUM	P01027	114	0.67723	0.0001
ANTIMONY	6	P01095	CHROMIUM	P01030	282	0.99956	0.0001
ANTIMONY	6	P01097	CHROMIUM	P01030	25	0.83895	0.0001
ANTIMONY	6	P01097	CHROMIUM	P01034	118	-0.26304	0.004
ANTIMONY	6	P01095	CONDUCTANCE	P00095	112	0.84632	0.0001
ANTIMONY	6	P01097	CONDUCTANCE	P00095	115	-0.43084	0.0001
ANTIMONY	6	P01095	DISSOLVED-OXYGE	P00300	263	-0.24198	0.0001
ANTIMONY	6	P01095	DISSOLVED-SOLID	P70301	130	0.59405	0.0001
ANTIMONY	6	P01095	HARDNESS	P00900	278	0.17934	0.0027
ANTIMONY	6	P01095	IRON	P01046	281	0.9535	0.0001
ANTIMONY	6	P01097	IRON	P01045	100	-0.3729	0.0001
ANTIMONY	6	P01095	MANGANESE	P01055	221	0.52195	0.0001
ANTIMONY	6	P01095	MANGANESE	P01056	281	0.32098	0.0001
ANTIMONY	6	P01097	MANGANESE	P01055	100	-0.34744	0.0004
ANTIMONY	6	P01095	MERCURY	P71890	77	0.242	0.034
ANTIMONY	6	P01097	MERCURY	P71890	18	0.92989	0.0001
ANTIMONY	6	P01097	MERCURY	P71900	105	0.40795	0.0001
ANTIMONY	6	P01095	NICKEL	P01065	254	0.99929	0.0001
ANTIMONY	6	P01097	NICKEL	P01065	18	0.77692	0.0001
ANTIMONY	6	P01097	NICKEL	P01067	118	-0.29038	0.0014
ANTIMONY	6	P01097	NITRATE	P00618	31	-0.42038	0.0185
ANTIMONY	6	P01095	PH	P00400	274	0.18788	0.0018
ANTIMONY	6	P01095	SELENIUM	P01145	288	0.64445	0.0001
ANTIMONY	6	P01095	SELENIUM	P01147	41	0.78491	0.0001
ANTIMONY	6	P01097	SELENIUM	P01145	25	0.77079	0.0001
ANTIMONY	6	P01097	SELENIUM	P01147	106	-0.21036	0.0304
ANTIMONY	6	P01095	SULFATE	P00945	282	0.73	0.0001
ANTIMONY	6	P01097	SULFATE	P00945	102	-0.30923	0.0016
ANTIMONY	6	P01095	THALLIUM	P01057	216	-0.83092	0.0001
ANTIMONY	6	P01097	THALLIUM	P01057	12	0.64134	0.0246
ANTIMONY	6	P01097	THALLIUM	P01059	85	0.99381	0.0001
ARSENIC	0	P01000	ALKALINITY	P39036	1367	0.15949	0.0001
ARSENIC	0	P01002	ALKALINITY	P39036	813	0.12473	0.0004
ARSENIC	0	P01000	ANTIMONY	P01095	2543	0.43314	0.0001
ARSENIC	0	P01000	ANTIMONY	P01097	272	0.24587	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ARSENIC	0	P01002	ANTIMONY	P01095	710	0.07568	0.0438
ARSENIC	0	P01002	ANTIMONY	P01097	896	0.32907	0.0001
ARSENIC	0	P01000	BARIUM	P01005	6436	0.41311	0.0001
ARSENIC	0	P01000	BARIUM	P01007	455	0.1025	0.0288
ARSENIC	0	P01002	BARIUM	P01007	2803	0.2573	0.0001
ARSENIC	0	P01000	BERYLLIUM	P01010	5019	0.43168	0.0001
ARSENIC	0	P01000	BERYLLIUM	P01012	580	0.14053	0.0007
ARSENIC	0	P01002	BERYLLIUM	P01012	4516	0.11747	0.0001
ARSENIC	0	P01000	CADMIUM	P01025	8319	0.46854	0.0001
ARSENIC	0	P01002	CADMIUM	P01027	7715	0.0736	0.0001
ARSENIC	0	P01000	CHROMIUM	P01030	7369	0.42512	0.0001
ARSENIC	0	P01000	CHROMIUM	P01034	1733	0.05387	0.0249
ARSENIC	0	P01002	CHROMIUM	P01034	7392	0.09118	0.0001
ARSENIC	0	P01000	CONDUCTANCE	P00095	10018	0.363	0.0001
ARSENIC	0	P01002	CYANIDE	P00720	3545	0.06822	0.0001
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	6844	0.03445	0.0044
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	8218	0.25315	0.0001
ARSENIC	0	P01002	IRON	P01045	6649	0.40709	0.0001
ARSENIC	0	P01000	MANGANESE	P01055	2321	-0.05826	0.005
ARSENIC	0	P01000	MANGANESE	P01056	8876	0.0223	0.0357
ARSENIC	0	P01002	MANGANESE	P01055	6078	0.11548	0.0001
ARSENIC	0	P01000	MERCURY	P71890	5283	0.88035	0.0001
ARSENIC	0	P01000	MERCURY	P71900	1723	0.09563	0.0001
ARSENIC	0	P01002	MERCURY	P71900	6695	0.02669	0.029
ARSENIC	0	P01000	NICKEL	P01065	5952	0.05872	0.0001
ARSENIC	0	P01002	NICKEL	P01067	6690	0.08399	0.0001
ARSENIC	0	P01002	NITRATE	P00618	2166	-0.07126	0.0009
ARSENIC	0	P01000	PH	P00400	10021	0.03282	0.001
ARSENIC	0	P01002	PH	P00400	8558	0.06995	0.0001
ARSENIC	0	P01000	RADIUM-226	P09511	74	0.7515	0.0001
ARSENIC	0	P01000	RADIUM-226	P76001	68	0.73096	0.0001
ARSENIC	0	P01002	RADIUM-226	P09511	60	0.8587	0.0001
ARSENIC	0	P01002	RADIUM-226	P76001	57	0.85049	0.0001
ARSENIC	0	P01000	SELENIUM	P01145	8195	0.2907	0.0001
ARSENIC	0	P01000	SELENIUM	P01147	1846	0.10752	0.0001
ARSENIC	0	P01002	SELENIUM	P01147	6732	0.03122	0.0104
ARSENIC	0	P01000	SULFATE	P00945	9318	0.18509	0.0001
ARSENIC	0	P01000	THALLIUM	P01057	309	0.81648	0.0001
ARSENIC	0	P01000	THALLIUM	P01059	63	0.35691	0.0041
ARSENIC	0	P01002	THALLIUM	P01059	993	0.46975	0.0001
ARSENIC	0	P01002	TURBIDITY	P00076	3144	0.08304	0.0001
ARSENIC	0	P01000	URANIUM-235	P22620	14	0.55981	0.0374
ARSENIC	2	P01000	ALKALINITY	P39036	701	0.19993	0.0001
ARSENIC	2	P01002	ALKALINITY	P39036	441	0.33299	0.0001
ARSENIC	2	P01000	ANTIMONY	P01095	1430	0.4324	0.0001
ARSENIC	2	P01000	ANTIMONY	P01097	178	0.2176	0.0035
ARSENIC	2	P01002	ANTIMONY	P01097	553	0.27165	0.0001
ARSENIC	2	P01000	BARIUM	P01005	3493	0.41698	0.0001
ARSENIC	2	P01000	BARIUM	P01007	247	0.13033	0.0407
ARSENIC	2	P01002	BARIUM	P01007	1725	0.34201	0.0001
ARSENIC	2	P01000	BERYLLIUM	P01010	2399	0.43139	0.0001
ARSENIC	2	P01000	BERYLLIUM	P01012	248	0.16953	0.0075
ARSENIC	2	P01002	BERYLLIUM	P01012	2409	0.1522	0.0001
ARSENIC	2	P01000	CADMIUM	P01025	4590	0.469	0.0001
ARSENIC	2	P01000	CADMIUM	P01027	1596	-0.08583	0.0006
ARSENIC	2	P01002	CADMIUM	P01027	4251	0.07967	0.0001
ARSENIC	2	P01000	CHROMIUM	P01030	3837	0.4255	0.0001
ARSENIC	2	P01000	CHROMIUM	P01032	90	0.34682	0.0008
ARSENIC	2	P01002	CHROMIUM	P01034	3823	0.08668	0.0001
ARSENIC	2	P01000	CONDUCTANCE	P00095	5907	0.42227	0.0001
ARSENIC	2	P01002	CYANIDE	P00720	2306	0.06678	0.0013
ARSENIC	2	P01002	DISSOLVED-OXYGE	P00300	3664	0.04905	0.003
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	4831	0.2942	0.0001
ARSENIC	2	P01002	IRON	P01045	3738	0.48526	0.0001
ARSENIC	2	P01000	MANGANESE	P01056	5292	0.07647	0.0001
ARSENIC	2	P01002	MANGANESE	P01055	3375	0.24357	0.0001
ARSENIC	2	P01000	MERCURY	P71890	3022	0.89049	0.0001
ARSENIC	2	P01000	MERCURY	P71900	937	0.09415	0.0039
ARSENIC	2	P01000	NICKEL	P01065	2946	0.06401	0.0005
ARSENIC	2	P01000	NICKEL	P01067	662	-0.08487	0.029
ARSENIC	2	P01002	NICKEL	P01067	3299	0.11839	0.0001
ARSENIC	2	P01000	NITRATE	P00618	1527	-0.05996	0.0191
ARSENIC	2	P01002	NITRATE	P00618	1114	-0.06498	0.0301
ARSENIC	2	P01000	PH	P00400	5952	0.03972	0.0022
ARSENIC	2	P01002	PH	P00400	4915	0.05741	0.0001
ARSENIC	2	P01000	RADIUM-226	P09511	45	0.80226	0.0001
ARSENIC	2	P01000	RADIUM-226	P76001	44	0.77878	0.0001
ARSENIC	2	P01002	RADIUM-226	P09511	38	0.9297	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ARSENIC	2	P01002	RADIUM-226	P76001	36	0.92483	0.0001
ARSENIC	2	P01000	SELENIUM	P01145	4653	0.34392	0.0001
ARSENIC	2	P01000	SELENIUM	P01147	1100	0.08622	0.0042
ARSENIC	2	P01000	SULFATE	P00945	5451	0.20149	0.0001
ARSENIC	2	P01000	THALLIUM	P01057	274	0.75131	0.0001
ARSENIC	2	P01002	THALLIUM	P01059	593	0.47195	0.0001
ARSENIC	2	P01002	TURBIDITY	P00076	1753	0.07031	0.0032
ARSENIC	5	P01002	ALKALINITY	P39036	164	0.28142	0.0003
ARSENIC	5	P01000	ANTIMONY	P01095	770	0.43089	0.0001
ARSENIC	5	P01000	ANTIMONY	P01097	91	0.87891	0.0001
ARSENIC	5	P01002	ANTIMONY	P01095	298	0.19631	0.0007
ARSENIC	5	P01002	ANTIMONY	P01097	304	0.15644	0.0063
ARSENIC	5	P01000	BARIUM	P01005	1426	0.42201	0.0001
ARSENIC	5	P01002	BARIUM	P01007	661	0.42821	0.0001
ARSENIC	5	P01000	BERYLLIUM	P01010	1070	0.43003	0.0001
ARSENIC	5	P01002	BERYLLIUM	P01012	886	0.14203	0.0001
ARSENIC	5	P01000	CADMIUM	P01025	2101	0.46913	0.0001
ARSENIC	5	P01000	CADMIUM	P01027	788	0.19219	0.0001
ARSENIC	5	P01002	CADMIUM	P01027	1912	0.11919	0.0001
ARSENIC	5	P01000	CHROMIUM	P01030	1614	0.42592	0.0001
ARSENIC	5	P01000	CHROMIUM	P01034	304	0.13132	0.022
ARSENIC	5	P01002	CHROMIUM	P01032	28	0.41414	0.0285
ARSENIC	5	P01002	CHROMIUM	P01034	1439	0.09054	0.0006
ARSENIC	5	P01000	CONDUCTANCE	P00095	2730	0.50605	0.0001
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	1526	0.06526	0.0108
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	2071	0.35713	0.0001
ARSENIC	5	P01002	DISSOLVED-SOLID	P70301	1525	0.09288	0.0003
ARSENIC	5	P01002	IRON	P01045	1804	0.53792	0.0001
ARSENIC	5	P01000	MANGANESE	P01056	2394	0.07974	0.0001
ARSENIC	5	P01002	MANGANESE	P01055	1653	0.30278	0.0001
ARSENIC	5	P01000	MERCURY	P71890	1163	0.97944	0.0001
ARSENIC	5	P01000	NICKEL	P01065	1183	0.06403	0.0276
ARSENIC	5	P01002	NICKEL	P01067	1162	0.15462	0.0001
ARSENIC	5	P01000	NITRATE	P00618	510	-0.12627	0.0043
ARSENIC	5	P01002	NITRATE	P00618	436	-0.09761	0.0416
ARSENIC	5	P01000	NITRITE	P00615	214	-0.2745	0.0001
ARSENIC	5	P01000	PH	P00400	2852	0.05042	0.0071
ARSENIC	5	P01000	RADIUM-226	P09511	20	0.7883	0.0001
ARSENIC	5	P01000	RADIUM-226	P76001	24	0.74416	0.0001
ARSENIC	5	P01002	RADIUM-226	P09511	13	0.99109	0.0001
ARSENIC	5	P01002	RADIUM-226	P76001	11	0.99526	0.0001
ARSENIC	5	P01000	SELENIUM	P01145	1910	0.37197	0.0001
ARSENIC	5	P01000	SULFATE	P00945	2444	0.21232	0.0001
ARSENIC	5	P01000	THALLIUM	P01057	233	0.88821	0.0001
ARSENIC	5	P01002	THALLIUM	P01057	24	0.57362	0.0034
ARSENIC	5	P01002	THALLIUM	P01059	275	0.3569	0.0001
ARSENIC	5	P01002	URANIUM-235	P22620	3	-0.99909	0.0272
ARSENIC	10	P01000	ANTIMONY	P01095	545	0.42952	0.0001
ARSENIC	10	P01000	ANTIMONY	P01097	43	0.89408	0.0001
ARSENIC	10	P01002	ANTIMONY	P01095	212	0.17387	0.0112
ARSENIC	10	P01000	BARIUM	P01005	844	0.42559	0.0001
ARSENIC	10	P01002	BARIUM	P01007	138	0.40805	0.0001
ARSENIC	10	P01000	BERYLLIUM	P01010	652	0.42916	0.0001
ARSENIC	10	P01000	CADMIUM	P01025	1118	0.46871	0.0001
ARSENIC	10	P01000	CADMIUM	P01027	390	0.20218	0.0001
ARSENIC	10	P01002	CADMIUM	P01027	975	0.13127	0.0001
ARSENIC	10	P01000	CHROMIUM	P01030	955	0.42571	0.0001
ARSENIC	10	P01000	CHROMIUM	P01034	166	0.19994	0.0098
ARSENIC	10	P01000	CONDUCTANCE	P00095	1423	0.51572	0.0001
ARSENIC	10	P01000	DISSOLVED-SOLID	P70301	962	0.36319	0.0001
ARSENIC	10	P01002	DISSOLVED-SOLID	P70301	742	0.1349	0.0002
ARSENIC	10	P01002	IRON	P01045	924	0.55506	0.0001
ARSENIC	10	P01000	MANGANESE	P01056	1193	0.08407	0.0037
ARSENIC	10	P01002	MANGANESE	P01055	868	0.2985	0.0001
ARSENIC	10	P01000	MERCURY	P71890	440	0.98629	0.0001
ARSENIC	10	P01000	NICKEL	P01065	702	0.08943	0.0178
ARSENIC	10	P01002	NICKEL	P01067	411	0.14169	0.004
ARSENIC	10	P01000	PH	P00400	1569	0.0662	0.0087
ARSENIC	10	P01000	SELENIUM	P01145	950	0.38189	0.0001
ARSENIC	10	P01000	SULFATE	P00945	1244	0.22521	0.0001
ARSENIC	10	P01000	THALLIUM	P01057	194	0.71738	0.0001
ARSENIC	20	P01000	ALKALINITY	P39036	15	-0.6468	0.0092
ARSENIC	20	P01000	ANTIMONY	P01095	376	0.42751	0.0001
ARSENIC	20	P01000	ANTIMONY	P01097	11	0.89829	0.0002
ARSENIC	20	P01000	BARIUM	P01005	474	0.42532	0.0001
ARSENIC	20	P01002	BARIUM	P01007	33	0.42138	0.0146
ARSENIC	20	P01000	BERYLLIUM	P01010	400	0.42761	0.0001
ARSENIC	20	P01000	CADMIUM	P01025	545	0.46663	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
ARSENIC	20	P01002	CADMIUM	P01027	369	0.16473	0.0015
ARSENIC	20	P01000	CHROMIUM	P01030	555	0.42498	0.0001
ARSENIC	20	P01000	CONDUCTANCE	P00095	733	0.53064	0.0001
ARSENIC	20	P01000	DISSOLVED-SOLID	P70301	427	0.38144	0.0001
ARSENIC	20	P01002	DISSOLVED-SOLID	P70301	304	0.35455	0.0001
ARSENIC	20	P01002	IRON	P01045	357	0.75807	0.0001
ARSENIC	20	P01000	MANGANESE	P01056	575	0.0895	0.0319
ARSENIC	20	P01002	MANGANESE	P01055	341	0.88866	0.0001
ARSENIC	20	P01000	MERCURY	P71890	188	0.98795	0.0001
ARSENIC	20	P01000	NICKEL	P01065	438	0.15151	0.0015
ARSENIC	20	P01000	NICKEL	P01067	48	0.61758	0.0001
ARSENIC	20	P01002	NICKEL	P01067	140	0.19373	0.0218
ARSENIC	20	P01000	PH	P00400	884	0.09436	0.005
ARSENIC	20	P01000	SELENIUM	P01145	546	0.3882	0.0001
ARSENIC	20	P01000	SULFATE	P00945	631	0.24287	0.0001
ARSENIC	20	P01002	THALLIUM	P01059	26	0.95529	0.0001
BARIUM	0	P01005	ALKALINITY	P39036	1921	0.27734	0.0001
BARIUM	0	P01007	ALKALINITY	P39036	170	-0.19323	0.0116
BARIUM	0	P01005	BERYLLIUM	P01010	13135	0.9471	0.0001
BARIUM	0	P01005	BERYLLIUM	P01012	7228	-0.08385	0.0001
BARIUM	0	P01007	BERYLLIUM	P01010	6748	-0.02731	0.0249
BARIUM	0	P01007	BERYLLIUM	P01012	7328	0.23275	0.0001
BARIUM	0	P01005	CADMIUM	P01025	14660	0.94298	0.0001
BARIUM	0	P01005	CADMIUM	P01027	8336	-0.08985	0.0001
BARIUM	0	P01005	CHROMIUM	P01030	14725	0.92262	0.0001
BARIUM	0	P01005	CHROMIUM	P01034	8231	-0.0809	0.0001
BARIUM	0	P01007	CHROMIUM	P01034	7987	0.49802	0.0001
BARIUM	0	P01005	CONDUCTANCE	P00095	18643	0.50022	0.0001
BARIUM	0	P01007	CONDUCTANCE	P00095	7932	0.03545	0.0016
BARIUM	0	P01005	CYANIDE	P00723	208	0.34642	0.0001
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	17485	-0.01913	0.0114
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	7780	-0.03406	0.0027
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	12625	0.27188	0.0001
BARIUM	0	P01007	DISSOLVED-SOLID	P70301	2537	0.0506	0.0108
BARIUM	0	P01005	HARDNESS	P00900	18987	0.18665	0.0001
BARIUM	0	P01005	IRON	P01045	8380	-0.04666	0.0001
BARIUM	0	P01007	IRON	P01045	7849	0.40804	0.0001
BARIUM	0	P01005	MANGANESE	P01056	19046	0.04961	0.0001
BARIUM	0	P01007	MANGANESE	P01055	7631	0.16374	0.0001
BARIUM	0	P01005	MERCURY	P71900	6067	0.03847	0.0027
BARIUM	0	P01007	MERCURY	P71900	5773	0.18294	0.0001
BARIUM	0	P01005	NICKEL	P01065	17668	0.16678	0.0001
BARIUM	0	P01005	NICKEL	P01067	7958	-0.02354	0.0357
BARIUM	0	P01007	NICKEL	P01067	7796	0.08225	0.0001
BARIUM	0	P01005	NITRITE	P00613	9957	0.03238	0.0012
BARIUM	0	P01005	PH	P00400	18752	0.09029	0.0001
BARIUM	0	P01007	PH	P00400	7881	-0.03171	0.0049
BARIUM	0	P01005	SELENIUM	P01145	9731	0.3185	0.0001
BARIUM	0	P01005	SELENIUM	P01147	2880	-0.09123	0.0001
BARIUM	0	P01005	THALLIUM	P01057	287	-0.40586	0.0001
BARIUM	0	P01005	THALLIUM	P01059	218	-0.13713	0.0431
BARIUM	0	P01005	TURBIDITY	P00076	13936	0.03544	0.0001
BARIUM	0	P01007	TURBIDITY	P00076	6784	0.42165	0.0001
BARIUM	2000	P01005	ANTIMONY	P01095	4	1	0.0001
BARIUM	2000	P01005	BERYLLIUM	P01010	4	1	0.0001
BARIUM	2000	P01005	CADMIUM	P01025	4	1	0.0001
BARIUM	2000	P01005	CHROMIUM	P01030	4	1	0.0001
BARIUM	2000	P01005	MANGANESE	P01056	4	1	0.0001
BARIUM	2000	P01005	NICKEL	P01065	4	1	0.0001
BARIUM	2000	P01005	PH	P00400	4	-0.99698	0.003
BARIUM	2000	P01005	SULFATE	P00945	4	0.97389	0.0261
BERYLLIUM	0	P01010	CADMIUM	P01025	13350	0.99751	0.0001
BERYLLIUM	0	P01010	CADMIUM	P01027	7546	0.58804	0.0001
BERYLLIUM	0	P01012	CADMIUM	P01025	7222	0.2727	0.0001
BERYLLIUM	0	P01010	CHROMIUM	P01030	13283	0.98986	0.0001
BERYLLIUM	0	P01010	CHROMIUM	P01034	7473	0.13272	0.0001
BERYLLIUM	0	P01012	CHROMIUM	P01030	7155	0.06354	0.0001
BERYLLIUM	0	P01012	CHROMIUM	P01034	9724	0.40967	0.0001
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	13137	0.8003	0.0001
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	9534	-0.06712	0.0001
BERYLLIUM	0	P01012	DISSOLVED-OXYGE	P00300	8851	-0.03512	0.001
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	7332	0.62432	0.0001
BERYLLIUM	0	P01012	DISSOLVED-SOLID	P70301	4136	-0.13903	0.0001
BERYLLIUM	0	P01010	HARDNESS	P00900	13384	0.2987	0.0001
BERYLLIUM	0	P01012	HARDNESS	P00900	9510	-0.24829	0.0001
BERYLLIUM	0	P01010	IRON	P01045	7514	0.38643	0.0001
BERYLLIUM	0	P01010	IRON	P01046	13209	0.09044	0.0001
BERYLLIUM	0	P01012	IRON	P01045	8485	0.26204	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
BERYLLIUM	0	P01012	IRON	P01046	7519	0.36987	0.0001
BERYLLIUM	0	P01010	MANGANESE	P01055	7432	0.33595	0.0001
BERYLLIUM	0	P01010	MANGANESE	P01056	13307	0.08265	0.0001
BERYLLIUM	0	P01012	MANGANESE	P01055	8312	0.21569	0.0001
BERYLLIUM	0	P01012	MANGANESE	P01056	7392	0.27055	0.0001
BERYLLIUM	0	P01010	MERCURY	P71900	5570	0.05022	0.0002
BERYLLIUM	0	P01012	MERCURY	P71900	7522	0.11983	0.0001
BERYLLIUM	0	P01010	NICKEL	P01065	13199	0.2308	0.0001
BERYLLIUM	0	P01010	NICKEL	P01067	7460	0.66425	0.0001
BERYLLIUM	0	P01012	NICKEL	P01065	7203	0.36427	0.0001
BERYLLIUM	0	P01012	NICKEL	P01067	9738	0.14992	0.0001
BERYLLIUM	0	P01012	NITRITE	P00615	989	0.07766	0.0146
BERYLLIUM	0	P01010	PH	P00400	13247	-0.04156	0.0001
BERYLLIUM	0	P01012	PH	P00400	9485	-0.10822	0.0001
BERYLLIUM	0	P01010	SELENIUM	P01145	4416	0.41943	0.0001
BERYLLIUM	0	P01012	SELENIUM	P01147	4427	-0.0364	0.0154
BERYLLIUM	0	P01010	THALLIUM	P01057	276	0.78535	0.0001
BERYLLIUM	0	P01010	THALLIUM	P01059	202	0.16812	0.0168
BERYLLIUM	0	P01012	THALLIUM	P01057	67	-0.28	0.0217
BERYLLIUM	0	P01012	THALLIUM	P01059	945	0.21604	0.0001
BERYLLIUM	0	P01012	TURBIDITY	P00076	7381	0.07175	0.0001
BERYLLIUM	4	P01010	ANTIMONY	P01095	263	0.9999	0.0001
BERYLLIUM	4	P01010	ANTIMONY	P01097	54	-0.8761	0.0001
BERYLLIUM	4	P01012	ANTIMONY	P01095	251	-0.5349	0.0001
BERYLLIUM	4	P01010	ARSENIC	P01000	743	0.42787	0.0001
BERYLLIUM	4	P01012	ARSENIC	P01002	2458	0.08875	0.0001
BERYLLIUM	4	P01010	BARIUM	P01005	724	0.99577	0.0001
BERYLLIUM	4	P01010	BARIUM	P01007	50	-0.50563	0.0002
BERYLLIUM	4	P01012	BARIUM	P01007	677	0.18659	0.0001
BERYLLIUM	4	P01010	CADMIUM	P01025	756	0.99756	0.0001
BERYLLIUM	4	P01010	CADMIUM	P01027	142	0.81199	0.0001
BERYLLIUM	4	P01012	CADMIUM	P01025	548	0.66602	0.0001
BERYLLIUM	4	P01012	CADMIUM	P01027	2541	0.65751	0.0001
BERYLLIUM	4	P01010	CHROMIUM	P01030	760	0.99076	0.0001
BERYLLIUM	4	P01010	CHROMIUM	P01034	144	0.41645	0.0001
BERYLLIUM	4	P01012	CHROMIUM	P01030	537	0.59913	0.0001
BERYLLIUM	4	P01012	CHROMIUM	P01034	2543	0.56219	0.0001
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	605	0.84317	0.0001
BERYLLIUM	4	P01012	CONDUCTANCE	P00095	2374	0.15364	0.0001
BERYLLIUM	4	P01010	CYANIDE	P00720	61	0.32267	0.0112
BERYLLIUM	4	P01012	CYANIDE	P00720	1006	0.17556	0.0001
BERYLLIUM	4	P01010	DISSOLVED-OXYGE	P00300	319	-0.20265	0.0003
BERYLLIUM	4	P01012	DISSOLVED-OXYGE	P00300	1792	-0.1143	0.0001
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	230	0.6184	0.0001
BERYLLIUM	4	P01010	HARDNESS	P00900	784	0.29223	0.0001
BERYLLIUM	4	P01012	HARDNESS	P00900	2357	0.17678	0.0001
BERYLLIUM	4	P01010	IRON	P01045	290	0.83914	0.0001
BERYLLIUM	4	P01012	IRON	P01045	1558	0.68457	0.0001
BERYLLIUM	4	P01012	IRON	P01046	732	0.76528	0.0001
BERYLLIUM	4	P01010	MANGANESE	P01055	286	0.61977	0.0001
BERYLLIUM	4	P01010	MANGANESE	P01056	759	0.07646	0.0352
BERYLLIUM	4	P01012	MANGANESE	P01055	1386	0.42823	0.0001
BERYLLIUM	4	P01012	MANGANESE	P01056	761	0.39578	0.0001
BERYLLIUM	4	P01010	MERCURY	P71890	108	-0.28344	0.003
BERYLLIUM	4	P01012	MERCURY	P71890	335	-0.20592	0.0001
BERYLLIUM	4	P01010	NICKEL	P01065	781	0.20151	0.0001
BERYLLIUM	4	P01010	NICKEL	P01067	144	0.89366	0.0001
BERYLLIUM	4	P01012	NICKEL	P01065	548	0.69892	0.0001
BERYLLIUM	4	P01012	NICKEL	P01067	2539	0.16775	0.0001
BERYLLIUM	4	P01012	PH	P00400	2373	-0.19872	0.0001
BERYLLIUM	4	P01010	SELENIUM	P01145	511	0.51465	0.0001
BERYLLIUM	4	P01010	SELENIUM	P01147	113	-0.55847	0.0001
BERYLLIUM	4	P01012	SELENIUM	P01145	588	-0.29354	0.0001
BERYLLIUM	4	P01010	SULFATE	P00945	776	0.56304	0.0001
BERYLLIUM	4	P01012	SULFATE	P00945	2275	0.43562	0.0001
BERYLLIUM	4	P01010	THALLIUM	P01057	184	0.50394	0.0001
BERYLLIUM	4	P01012	THALLIUM	P01057	46	-0.76659	0.0001
CADMIUM	0	P01025	ALKALINITY	P39036	1378	-0.06076	0.0241
CADMIUM	0	P01025	CHROMIUM	P01030	17522	0.98724	0.0001
CADMIUM	0	P01025	CHROMIUM	P01032	778	-0.12731	0.0004
CADMIUM	0	P01025	CHROMIUM	P01034	9232	0.3005	0.0001
CADMIUM	0	P01027	CHROMIUM	P01030	9195	0.5161	0.0001
CADMIUM	0	P01027	CHROMIUM	P01034	13672	0.31124	0.0001
CADMIUM	0	P01025	CONDUCTANCE	P00095	18212	0.56458	0.0001
CADMIUM	0	P01027	CONDUCTANCE	P00095	14915	0.10174	0.0001
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	17202	-0.015	0.0491
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	11015	0.24957	0.0001
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	7288	0.20274	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
CADMIUM	0	P01025	HARDNESS	P00900	18894	0.12609	0.0001
CADMIUM	0	P01027	HARDNESS	P00900	13937	0.13341	0.0001
CADMIUM	0	P01025	IRON	P01045	10330	0.42694	0.0001
CADMIUM	0	P01025	IRON	P01046	17489	0.10539	0.0001
CADMIUM	0	P01027	IRON	P01045	12491	0.56957	0.0001
CADMIUM	0	P01027	IRON	P01046	11012	0.76503	0.0001
CADMIUM	0	P01025	MANGANESE	P01055	10118	0.27981	0.0001
CADMIUM	0	P01025	MANGANESE	P01056	17602	0.09019	0.0001
CADMIUM	0	P01027	MANGANESE	P01055	11737	0.39959	0.0001
CADMIUM	0	P01027	MANGANESE	P01056	10699	0.39196	0.0001
CADMIUM	0	P01025	MERCURY	P71890	4297	0.84376	0.0001
CADMIUM	0	P01025	MERCURY	P71900	6938	-0.02923	0.0149
CADMIUM	0	P01027	MERCURY	P71890	1210	0.05708	0.0472
CADMIUM	0	P01025	NICKEL	P01065	15058	0.25334	0.0001
CADMIUM	0	P01025	NICKEL	P01067	8834	0.73577	0.0001
CADMIUM	0	P01027	NICKEL	P01065	9054	0.76743	0.0001
CADMIUM	0	P01027	NICKEL	P01067	12301	0.6929	0.0001
CADMIUM	0	P01025	NITRITE	P00613	7796	-0.03006	0.008
CADMIUM	0	P01027	NITRITE	P00613	4415	-0.03264	0.0301
CADMIUM	0	P01025	PH	P00400	19215	-0.04871	0.0001
CADMIUM	0	P01027	PH	P00400	15174	-0.22895	0.0001
CADMIUM	0	P01025	SELENIUM	P01145	7302	0.34268	0.0001
CADMIUM	0	P01025	SELENIUM	P01147	3201	0.12475	0.0001
CADMIUM	0	P01027	SELENIUM	P01145	2048	0.39136	0.0001
CADMIUM	0	P01027	SELENIUM	P01147	6317	0.2244	0.0001
CADMIUM	0	P01025	THALLIUM	P01057	310	0.87209	0.0001
CADMIUM	0	P01025	THALLIUM	P01059	118	0.22321	0.0151
CADMIUM	0	P01027	THALLIUM	P01057	89	0.71632	0.0001
CADMIUM	0	P01027	THALLIUM	P01059	846	0.31583	0.0001
CADMIUM	5	P01025	ALKALINITY	P39036	117	-0.22271	0.0158
CADMIUM	5	P01025	ANTIMONY	P01095	299	0.99989	0.0001
CADMIUM	5	P01025	ANTIMONY	P01097	19	-0.72457	0.0005
CADMIUM	5	P01027	ANTIMONY	P01097	97	-0.52436	0.0001
CADMIUM	5	P01025	ARSENIC	P01000	1220	0.46605	0.0001
CADMIUM	5	P01025	ARSENIC	P01002	508	0.18976	0.0001
CADMIUM	5	P01025	BARIUM	P01005	1201	0.99262	0.0001
CADMIUM	5	P01027	BARIUM	P01005	500	-0.13669	0.0022
CADMIUM	5	P01025	BERYLLIUM	P01010	836	0.99772	0.0001
CADMIUM	5	P01025	BERYLLIUM	P01012	210	0.92185	0.0001
CADMIUM	5	P01027	BERYLLIUM	P01010	263	0.85582	0.0001
CADMIUM	5	P01027	BERYLLIUM	P01012	338	0.70133	0.0001
CADMIUM	5	P01025	CHROMIUM	P01030	1333	0.98782	0.0001
CADMIUM	5	P01025	CHROMIUM	P01034	563	0.15174	0.0003
CADMIUM	5	P01027	CHROMIUM	P01030	504	0.27398	0.0001
CADMIUM	5	P01027	CHROMIUM	P01034	609	0.20193	0.0001
CADMIUM	5	P01025	CONDUCTANCE	P00095	1237	0.62452	0.0001
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	997	-0.14314	0.0001
CADMIUM	5	P01027	DISSOLVED-OXYGE	P00300	557	-0.32833	0.0001
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	600	0.24681	0.0001
CADMIUM	5	P01025	HARDNESS	P00900	1431	0.1273	0.0001
CADMIUM	5	P01025	IRON	P01045	785	0.70711	0.0001
CADMIUM	5	P01025	IRON	P01046	1441	0.07414	0.0049
CADMIUM	5	P01027	IRON	P01045	642	0.74178	0.0001
CADMIUM	5	P01027	IRON	P01046	544	0.85761	0.0001
CADMIUM	5	P01025	MANGANESE	P01055	779	0.30823	0.0001
CADMIUM	5	P01025	MANGANESE	P01056	1424	0.08389	0.0015
CADMIUM	5	P01027	MANGANESE	P01055	648	0.43478	0.0001
CADMIUM	5	P01027	MANGANESE	P01056	543	0.42387	0.0001
CADMIUM	5	P01025	MERCURY	P71890	416	0.92541	0.0001
CADMIUM	5	P01025	NICKEL	P01065	1264	0.23477	0.0001
CADMIUM	5	P01025	NICKEL	P01067	544	0.79121	0.0001
CADMIUM	5	P01027	NICKEL	P01065	484	0.80719	0.0001
CADMIUM	5	P01027	NICKEL	P01067	587	0.75882	0.0001
CADMIUM	5	P01027	PH	P00400	683	-0.35303	0.0001
CADMIUM	5	P01025	SELENIUM	P01145	987	0.43853	0.0001
CADMIUM	5	P01027	SELENIUM	P01147	417	-0.11345	0.0205
CADMIUM	5	P01025	SULFATE	P00945	1286	0.53838	0.0001
CADMIUM	5	P01027	SULFATE	P00945	588	0.31017	0.0001
CADMIUM	5	P01025	THALLIUM	P01057	199	0.78583	0.0001
CADMIUM	5	P01027	THALLIUM	P01059	95	-0.33346	0.001
CHROMIUM	0	P01034	ALKALINITY	P39036	787	-0.30225	0.0001
CHROMIUM	0	P01030	CONDUCTANCE	P00095	16273	0.56615	0.0001
CHROMIUM	0	P01030	CYANIDE	P00723	207	0.18984	0.0061
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	9469	0.4274	0.0001
CHROMIUM	0	P01030	HARDNESS	P00900	16854	0.19122	0.0001
CHROMIUM	0	P01032	HARDNESS	P00900	877	-0.11506	0.0006
CHROMIUM	0	P01034	HARDNESS	P00900	12505	-0.02082	0.0199
CHROMIUM	0	P01030	IRON	P01045	9193	0.15498	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
CHROMIUM	0	P01030	IRON	P01046	15951	0.17789	0.0001
CHROMIUM	0	P01034	IRON	P01045	11812	0.40844	0.0001
CHROMIUM	0	P01034	IRON	P01046	9574	0.15491	0.0001
CHROMIUM	0	P01030	MANGANESE	P01055	8890	0.08757	0.0001
CHROMIUM	0	P01030	MANGANESE	P01056	15989	0.0837	0.0001
CHROMIUM	0	P01034	MANGANESE	P01055	11079	0.15975	0.0001
CHROMIUM	0	P01034	MANGANESE	P01056	9246	0.05808	0.0001
CHROMIUM	0	P01030	MERCURY	P71890	3763	0.05143	0.0016
CHROMIUM	0	P01030	MERCURY	P71900	6311	-0.07062	0.0001
CHROMIUM	0	P01034	MERCURY	P71900	9952	0.11773	0.0001
CHROMIUM	0	P01030	NICKEL	P01065	14903	0.27228	0.0001
CHROMIUM	0	P01030	NICKEL	P01067	8701	0.21116	0.0001
CHROMIUM	0	P01034	NICKEL	P01065	8847	0.15871	0.0001
CHROMIUM	0	P01034	NICKEL	P01067	12794	0.33436	0.0001
CHROMIUM	0	P01030	NITRITE	P00613	7231	0.06839	0.0001
CHROMIUM	0	P01034	NITRITE	P00615	1918	0.07306	0.0014
CHROMIUM	0	P01030	PH	P00400	17316	-0.09381	0.0001
CHROMIUM	0	P01032	PH	P00400	866	-0.06992	0.0397
CHROMIUM	0	P01034	PH	P00400	13955	-0.13801	0.0001
CHROMIUM	0	P01030	SELENIUM	P01145	6721	0.3541	0.0001
CHROMIUM	0	P01030	SELENIUM	P01147	3141	0.42709	0.0001
CHROMIUM	0	P01034	SELENIUM	P01145	1934	0.3371	0.0001
CHROMIUM	0	P01034	SELENIUM	P01147	6503	0.15099	0.0001
CHROMIUM	0	P01030	THALLIUM	P01057	310	0.6882	0.0001
CHROMIUM	0	P01030	TURBIDITY	P00076	10076	-0.02235	0.0249
CHROMIUM	0	P01032	TURBIDITY	P00076	229	0.14365	0.0298
CHROMIUM	0	P01034	TURBIDITY	P00076	8509	0.14481	0.0001
CHROMIUM	100	P01030	ANTIMONY	P01095	8	0.99995	0.0001
CHROMIUM	100	P01030	ARSENIC	P01000	129	0.39993	0.0001
CHROMIUM	100	P01030	BARIUM	P01005	131	0.99554	0.0001
CHROMIUM	100	P01030	BERYLLIUM	P01010	131	0.99602	0.0001
CHROMIUM	100	P01034	BERYLLIUM	P01012	19	0.54507	0.0158
CHROMIUM	100	P01030	CADMIUM	P01025	122	0.9923	0.0001
CHROMIUM	100	P01034	CADMIUM	P01025	19	0.55634	0.0134
CHROMIUM	100	P01030	CONDUCTANCE	P00095	131	0.86282	0.0001
CHROMIUM	100	P01030	DISSOLVED-SOLID	P70301	29	0.4345	0.0185
CHROMIUM	100	P01030	IRON	P01046	130	-0.23305	0.0076
CHROMIUM	100	P01030	MANGANESE	P01056	129	0.1929	0.0285
CHROMIUM	100	P01034	NICKEL	P01067	27	0.65473	0.0002
CHROMIUM	100	P01030	PH	P00400	131	0.55299	0.0001
CHROMIUM	100	P01034	PH	P00400	32	-0.40451	0.0217
CHROMIUM	100	P01030	SELENIUM	P01145	62	0.84369	0.0001
CHROMIUM	100	P01030	SULFATE	P00945	130	0.64732	0.0001
CYANIDE	0	P00720	MERCURY	P71900	3336	0.06833	0.0001
CYANIDE	0	P00723	NITRITE	P00615	51	-0.69494	0.0001
CYANIDE	0	P00723	SELENIUM	P01147	142	0.47987	0.0001
CYANIDE	0.2	P00720	ARSENIC	P01002	4	0.97658	0.0234
DEPTH-BELOW-LAN	0	P72019	CONDUCTANCE	P00095	158	-0.18017	0.0235
DEPTH-BELOW-LAN	0	P72019	PH	P00400	154	0.18154	0.0242
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	6651	0.04689	0.0001
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	7542	0.05525	0.0001
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	44393	0.96437	0.0001
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	45639	0.65355	0.0001
DISSOLVED-SOLID	0	P70301	PH	P00400	43940	0.08694	0.0001
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	2194	-0.15957	0.0001
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	498	0.61121	0.0001
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	2715	0.29604	0.0001
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	2632	0.22702	0.0001
DISSOLVED-SOLID	500	P70301	BARIUM	P01007	720	0.14543	0.0001
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	1423	0.63215	0.0001
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01012	699	0.08104	0.0322
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	2469	0.453	0.0001
DISSOLVED-SOLID	500	P70301	CADMIUM	P01027	1175	0.49439	0.0001
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	2296	0.43922	0.0001
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	9478	0.95866	0.0001
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	9641	0.63325	0.0001
DISSOLVED-SOLID	500	P70301	IRON	P01046	5786	0.20349	0.0001
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	5252	0.03737	0.0068
DISSOLVED-SOLID	500	P70301	MERCURY	P71900	1225	0.13521	0.0001
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	2384	0.25539	0.0001
DISSOLVED-SOLID	500	P70301	NICKEL	P01067	917	0.44171	0.0001
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	2890	0.04007	0.0312
DISSOLVED-SOLID	500	P70301	RADIUM-226	P09511	68	0.44159	0.0002
DISSOLVED-SOLID	500	P70301	RADIUM-226	P76001	63	0.40176	0.0011
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	4091	0.0955	0.0001
DISSOLVED-SOLID	500	P70301	SELENIUM	P01147	1372	0.40826	0.0001
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	9641	0.50072	0.0001
DISSOLVED-SOLID	500	P70301	THALLIUM	P01059	133	0.19014	0.0284

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
DISSOLVED-SOLID	500	P70301	URANIUM-235	P22620	4	0.99482	0.0052
DISSOLVED-SOLID	500	P70301	URANIUM-238	P22603	4	0.97783	0.0222
HARDNESS	0	P00900	ALKALINITY	P39036	7622	0.17246	0.0001
HARDNESS	0	P00900	CONDUCTANCE	P00095	55450	0.8004	0.0001
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	49513	0.01431	0.0015
HARDNESS	0	P00900	PH	P00400	55851	0.1125	0.0001
HARDNESS	300	P00900	ALKALINITY	P39036	1744	-0.30969	0.0001
HARDNESS	300	P00900	ANTIMONY	P01095	426	0.4213	0.0001
HARDNESS	300	P00900	BARIUM	P01007	3391	0.12383	0.0001
HARDNESS	300	P00900	BERYLLIUM	P01010	4364	0.65939	0.0001
HARDNESS	300	P00900	BERYLLIUM	P01012	3299	0.16415	0.0001
HARDNESS	300	P00900	CADMIUM	P01025	5449	0.26532	0.0001
HARDNESS	300	P00900	CADMIUM	P01027	3863	0.08607	0.0001
HARDNESS	300	P00900	CHROMIUM	P01030	5282	0.23147	0.0001
HARDNESS	300	P00900	CONDUCTANCE	P00095	12189	0.77289	0.0001
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	8833	0.64004	0.0001
HARDNESS	300	P00900	IRON	P01045	3801	0.03814	0.0187
HARDNESS	300	P00900	IRON	P01046	8927	0.23552	0.0001
HARDNESS	300	P00900	MANGANESE	P01055	3630	0.17213	0.0001
HARDNESS	300	P00900	MANGANESE	P01056	8446	0.18385	0.0001
HARDNESS	300	P00900	MERCURY	P71900	2607	0.13807	0.0001
HARDNESS	300	P00900	NICKEL	P01065	5303	0.34761	0.0001
HARDNESS	300	P00900	NICKEL	P01067	3597	0.32002	0.0001
HARDNESS	300	P00900	NITRATE	P00618	3143	0.21064	0.0001
HARDNESS	300	P00900	PH	P00400	11760	-0.05045	0.0001
HARDNESS	300	P00900	RADIUM-226	P09511	50	0.56847	0.0001
HARDNESS	300	P00900	RADIUM-226	P76001	45	0.56737	0.0001
HARDNESS	300	P00900	RADON	P76002	31	0.47407	0.0071
HARDNESS	300	P00900	RADON	P82303	31	0.41152	0.0214
HARDNESS	300	P00900	SELENIUM	P01145	3998	0.20405	0.0001
HARDNESS	300	P00900	SELENIUM	P01147	1611	0.52452	0.0001
HARDNESS	300	P00900	SULFATE	P00945	11211	0.76571	0.0001
HARDNESS	300	P00900	THALLIUM	P01057	22	-0.46282	0.0301
IRON	0	P01046	ALKALINITY	P39036	4915	-0.25923	0.0001
IRON	0	P01045	CONDUCTANCE	P00095	15918	0.0676	0.0001
IRON	0	P01046	CONDUCTANCE	P00095	41779	0.17294	0.0001
IRON	0	P01047	CONDUCTANCE	P00095	160	0.76328	0.0001
IRON	0	P01046	DISSOLVED-SOLID	P70301	33464	0.211	0.0001
IRON	0	P01046	HARDNESS	P00900	41692	0.26496	0.0001
IRON	0	P01045	MANGANESE	P01055	14997	0.24341	0.0001
IRON	0	P01045	MANGANESE	P01056	12400	0.21491	0.0001
IRON	0	P01046	MANGANESE	P01055	12030	0.23317	0.0001
IRON	0	P01046	MANGANESE	P01056	41440	0.18311	0.0001
IRON	0	P01045	MERCURY	P71900	8588	0.06221	0.0001
IRON	0	P01046	MERCURY	P71890	4801	0.35264	0.0001
IRON	0	P01045	NICKEL	P01065	8909	0.64372	0.0001
IRON	0	P01045	NICKEL	P01067	11238	0.6992	0.0001
IRON	0	P01046	NICKEL	P01065	18801	0.84674	0.0001
IRON	0	P01046	NICKEL	P01067	9063	0.81169	0.0001
IRON	0	P01046	NITRITE	P00613	29062	-0.0139	0.0178
IRON	0	P01045	PH	P00400	16057	-0.18099	0.0001
IRON	0	P01046	PH	P00400	41942	-0.3971	0.0001
IRON	0	P01047	PH	P00400	160	-0.17382	0.0279
IRON	0	P01045	THALLIUM	P01057	263	-0.33602	0.0001
IRON	0	P01046	THALLIUM	P01057	314	0.37585	0.0001
IRON	0	P01045	TURBIDITY	P00076	9168	0.2921	0.0001
IRON	300	P01045	ANTIMONY	P01097	406	-0.09858	0.0471
IRON	300	P01046	ANTIMONY	P01095	208	0.45265	0.0001
IRON	300	P01045	ARSENIC	P01002	4656	0.40778	0.0001
IRON	300	P01045	BARIUM	P01005	6809	-0.0541	0.0001
IRON	300	P01045	BARIUM	P01007	6554	0.41137	0.0001
IRON	300	P01045	BERYLLIUM	P01010	6353	0.48631	0.0001
IRON	300	P01045	BERYLLIUM	P01012	7020	0.33713	0.0001
IRON	300	P01046	BERYLLIUM	P01012	345	0.80924	0.0001
IRON	300	P01045	CADMIUM	P01025	8223	0.50553	0.0001
IRON	300	P01045	CADMIUM	P01027	9690	0.58558	0.0001
IRON	300	P01046	CADMIUM	P01025	1344	0.07654	0.005
IRON	300	P01046	CADMIUM	P01027	613	0.88642	0.0001
IRON	300	P01045	CHROMIUM	P01030	7518	0.16996	0.0001
IRON	300	P01045	CHROMIUM	P01034	9357	0.41497	0.0001
IRON	300	P01046	CHROMIUM	P01030	1287	0.14088	0.0001
IRON	300	P01046	CHROMIUM	P01034	519	0.31643	0.0001
IRON	300	P01045	CONDUCTANCE	P00095	11858	0.13945	0.0001
IRON	300	P01046	CONDUCTANCE	P00095	4497	0.30149	0.0001
IRON	300	P01047	CONDUCTANCE	P00095	121	0.80127	0.0001
IRON	300	P01045	DISSOLVED-OXYGE	P00300	10749	-0.02255	0.0194
IRON	300	P01046	DISSOLVED-OXYGE	P00300	3518	-0.08608	0.0001
IRON	300	P01046	DISSOLVED-SOLID	P70301	3067	0.39856	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
IRON	300	P01045	HARDNESS	P00900	10605	0.02566	0.0082
IRON	300	P01046	HARDNESS	P00900	4111	0.75347	0.0001
IRON	300	P01045	MANGANESE	P01055	11369	0.26873	0.0001
IRON	300	P01045	MANGANESE	P01056	9685	0.23867	0.0001
IRON	300	P01046	MANGANESE	P01055	1242	0.24499	0.0001
IRON	300	P01046	MANGANESE	P01056	4550	0.18349	0.0001
IRON	300	P01045	MERCURY	P71900	6671	0.08153	0.0001
IRON	300	P01046	MERCURY	P71890	170	0.39999	0.0001
IRON	300	P01045	NICKEL	P01065	7390	0.73281	0.0001
IRON	300	P01045	NICKEL	P01067	9019	0.78627	0.0001
IRON	300	P01046	NICKEL	P01065	1684	0.82969	0.0001
IRON	300	P01046	NICKEL	P01067	503	0.97993	0.0001
IRON	300	P01045	NITRATE	P00618	1944	-0.04727	0.0371
IRON	300	P01045	PH	P00400	11922	-0.19435	0.0001
IRON	300	P01046	PH	P00400	4550	-0.50782	0.0001
IRON	300	P01047	PH	P00400	121	-0.20469	0.0243
IRON	300	P01045	SELENIUM	P01145	1250	-0.05595	0.048
IRON	300	P01045	SULFATE	P00945	9057	0.77912	0.0001
IRON	300	P01046	SULFATE	P00945	4351	0.73737	0.0001
IRON	300	P01047	SULFATE	P00945	121	0.93787	0.0001
IRON	300	P01045	THALLIUM	P01057	161	-0.35341	0.0001
IRON	300	P01045	THALLIUM	P01059	202	-0.19414	0.0056
IRON	300	P01045	TURBIDITY	P00076	7208	0.29075	0.0001
IRON	2500	P01046	ALKALINITY	P39036	6	0.8626	0.027
IRON	2500	P01045	ARSENIC	P01002	1060	0.41179	0.0001
IRON	2500	P01045	BARIUM	P01005	1599	-0.10915	0.0001
IRON	2500	P01045	BARIUM	P01007	1568	0.39787	0.0001
IRON	2500	P01046	BARIUM	P01007	55	-0.31633	0.0186
IRON	2500	P01045	BERYLLIUM	P01010	1452	0.73222	0.0001
IRON	2500	P01045	BERYLLIUM	P01012	1627	0.6545	0.0001
IRON	2500	P01046	BERYLLIUM	P01012	55	0.95557	0.0001
IRON	2500	P01045	CADMIUM	P01025	1929	0.65892	0.0001
IRON	2500	P01045	CADMIUM	P01027	2220	0.65444	0.0001
IRON	2500	P01046	CADMIUM	P01027	95	0.93209	0.0001
IRON	2500	P01045	CHROMIUM	P01030	1767	0.29537	0.0001
IRON	2500	P01045	CHROMIUM	P01034	2138	0.60496	0.0001
IRON	2500	P01046	CHROMIUM	P01030	563	0.10452	0.0131
IRON	2500	P01046	CHROMIUM	P01034	75	0.65037	0.0001
IRON	2500	P01045	CONDUCTANCE	P00095	2738	0.28186	0.0001
IRON	2500	P01046	CONDUCTANCE	P00095	908	0.23839	0.0001
IRON	2500	P01047	CONDUCTANCE	P00095	62	0.83452	0.0001
IRON	2500	P01046	DISSOLVED-OXYGE	P00300	223	-0.22977	0.0005
IRON	2500	P01046	DISSOLVED-SOLID	P70301	170	0.46409	0.0001
IRON	2500	P01045	HARDNESS	P00900	2299	0.09151	0.0001
IRON	2500	P01046	HARDNESS	P00900	691	0.74821	0.0001
IRON	2500	P01045	MANGANESE	P01055	2677	0.26922	0.0001
IRON	2500	P01045	MANGANESE	P01056	2300	0.23994	0.0001
IRON	2500	P01046	MANGANESE	P01055	325	0.18875	0.0006
IRON	2500	P01045	MERCURY	P71900	1676	0.17418	0.0001
IRON	2500	P01045	NICKEL	P01065	1724	0.76779	0.0001
IRON	2500	P01045	NICKEL	P01067	2032	0.83105	0.0001
IRON	2500	P01046	NICKEL	P01065	561	0.77405	0.0001
IRON	2500	P01046	NICKEL	P01067	73	0.9883	0.0001
IRON	2500	P01045	NITRATE	P00618	423	-0.10273	0.0347
IRON	2500	P01045	PH	P00400	2723	-0.25864	0.0001
IRON	2500	P01046	PH	P00400	900	-0.45885	0.0001
IRON	2500	P01045	SULFATE	P00945	2119	0.86454	0.0001
IRON	2500	P01046	SULFATE	P00945	918	0.7121	0.0001
IRON	2500	P01047	SULFATE	P00945	62	0.94313	0.0001
IRON	2500	P01045	THALLIUM	P01057	31	-0.40023	0.0257
IRON	2500	P01045	TURBIDITY	P00076	1567	0.27799	0.0001
MANGANESE	0	P01056	ALKALINITY	P39036	4912	-0.05193	0.0003
MANGANESE	0	P01055	CONDUCTANCE	P00095	14667	0.07116	0.0001
MANGANESE	0	P01056	CONDUCTANCE	P00095	40872	0.08479	0.0001
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	6543	0.04847	0.0001
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	32479	0.06859	0.0001
MANGANESE	0	P01055	HARDNESS	P00900	13084	0.17567	0.0001
MANGANESE	0	P01056	HARDNESS	P00900	40534	0.2071	0.0001
MANGANESE	0	P01055	NICKEL	P01065	8610	0.72666	0.0001
MANGANESE	0	P01055	NICKEL	P01067	10487	0.73509	0.0001
MANGANESE	0	P01056	NICKEL	P01065	18827	0.23102	0.0001
MANGANESE	0	P01056	NICKEL	P01067	8909	0.70954	0.0001
MANGANESE	0	P01055	PH	P00400	14842	-0.30484	0.0001
MANGANESE	0	P01056	PH	P00400	40992	-0.25193	0.0001
MANGANESE	0	P01055	THALLIUM	P01059	273	-0.15607	0.0098
MANGANESE	0	P01055	TURBIDITY	P00076	8895	0.07994	0.0001
MANGANESE	50	P01056	ANTIMONY	P01095	1110	0.08975	0.0028
MANGANESE	50	P01056	ANTIMONY	P01097	92	-0.29696	0.004

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
MANGANESE	50	P01055	ARSENIC	P01000	1716	-0.08861	0.0002
MANGANESE	50	P01055	ARSENIC	P01002	4286	0.11313	0.0001
MANGANESE	50	P01055	BARIUM	P01007	6197	0.15759	0.0001
MANGANESE	50	P01056	BARIUM	P01005	6120	0.04364	0.0006
MANGANESE	50	P01056	BARIUM	P01007	3285	-0.0422	0.0156
MANGANESE	50	P01055	BERYLLIUM	P01010	6075	0.35888	0.0001
MANGANESE	50	P01055	BERYLLIUM	P01012	6447	0.29653	0.0001
MANGANESE	50	P01056	BERYLLIUM	P01010	5159	0.0779	0.0001
MANGANESE	50	P01056	BERYLLIUM	P01012	3254	0.49652	0.0001
MANGANESE	50	P01055	CADMIUM	P01025	7965	0.28297	0.0001
MANGANESE	50	P01055	CADMIUM	P01027	9017	0.40058	0.0001
MANGANESE	50	P01056	CADMIUM	P01025	6342	0.0851	0.0001
MANGANESE	50	P01056	CADMIUM	P01027	4440	0.40002	0.0001
MANGANESE	50	P01055	CHROMIUM	P01030	7192	0.08154	0.0001
MANGANESE	50	P01055	CHROMIUM	P01034	8611	0.15684	0.0001
MANGANESE	50	P01056	CHROMIUM	P01030	5937	0.07596	0.0001
MANGANESE	50	P01056	CHROMIUM	P01034	4047	0.07607	0.0001
MANGANESE	50	P01055	CONDUCTANCE	P00095	10789	0.07322	0.0001
MANGANESE	50	P01056	CONDUCTANCE	P00095	12371	0.08149	0.0001
MANGANESE	50	P01056	DEPTH-BELOW-LAN	P72019	7	0.76562	0.0448
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	4304	0.04431	0.0036
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	8297	0.06583	0.0001
MANGANESE	50	P01055	HARDNESS	P00900	9674	0.18866	0.0001
MANGANESE	50	P01056	HARDNESS	P00900	12078	0.24867	0.0001
MANGANESE	50	P01055	IRON	P01045	11102	0.24022	0.0001
MANGANESE	50	P01055	IRON	P01046	9232	0.23187	0.0001
MANGANESE	50	P01056	IRON	P01045	5497	0.21409	0.0001
MANGANESE	50	P01056	IRON	P01046	12687	0.16894	0.0001
MANGANESE	50	P01055	NICKEL	P01065	7016	0.73179	0.0001
MANGANESE	50	P01055	NICKEL	P01067	8232	0.75091	0.0001
MANGANESE	50	P01056	NICKEL	P01065	6338	0.21343	0.0001
MANGANESE	50	P01056	NICKEL	P01067	3931	0.75304	0.0001
MANGANESE	50	P01055	NITRATE	P00618	1770	-0.0726	0.0022
MANGANESE	50	P01056	NITRITE	P00613	6703	-0.03518	0.004
MANGANESE	50	P01055	PH	P00400	10967	-0.33106	0.0001
MANGANESE	50	P01056	PH	P00400	12527	-0.2838	0.0001
MANGANESE	50	P01055	SELENIUM	P01145	1418	-0.06343	0.0169
MANGANESE	50	P01055	SULFATE	P00945	8516	0.37768	0.0001
MANGANESE	50	P01056	SULFATE	P00945	11479	0.19935	0.0001
MANGANESE	50	P01055	THALLIUM	P01059	139	-0.29838	0.0004
MANGANESE	50	P01055	TURBIDITY	P00076	6659	0.07775	0.0001
MERCURY	0	P71890	CONDUCTANCE	P00095	5552	0.02672	0.0465
MERCURY	0	P71900	CONDUCTANCE	P00095	10760	0.02129	0.0272
MERCURY	0	P71900	DISSOLVED-SOLID	P70301	6341	0.06305	0.0001
MERCURY	0	P71900	HARDNESS	P00900	10022	0.02672	0.0075
MERCURY	0	P71890	NICKEL	P01067	856	0.06785	0.0472
MERCURY	0	P71890	SELENIUM	P01145	5404	0.14376	0.0001
MERCURY	0	P71900	SELENIUM	P01147	6017	0.03434	0.0077
MERCURY	0	P71900	THALLIUM	P01057	59	0.3114	0.0164
MERCURY	0	P71900	THALLIUM	P01059	816	0.2786	0.0001
MERCURY	0	P71900	TURBIDITY	P00076	6390	0.08472	0.0001
MERCURY	2	P71890	ARSENIC	P01000	12	0.92111	0.0001
MERCURY	2	P71890	CADMIUM	P01025	11	0.87723	0.0004
MERCURY	2	P71900	CHROMIUM	P01030	6	0.86659	0.0255
MERCURY	2	P71890	IRON	P01046	11	0.92688	0.0001
MERCURY	2	P71890	NITRITE	P00613	8	0.85756	0.0065
MERCURY	2	P71900	PH	P00400	23	-0.58022	0.0037
MERCURY	2	P71890	SELENIUM	P01145	11	0.98761	0.0001
NICKEL	0	P01065	CONDUCTANCE	P00095	18755	0.24843	0.0001
NICKEL	0	P01067	CONDUCTANCE	P00095	12530	0.26627	0.0001
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	17540	-0.01788	0.0179
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	12123	0.27515	0.0001
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	5483	0.47974	0.0001
NICKEL	0	P01065	HARDNESS	P00900	19024	0.36445	0.0001
NICKEL	0	P01067	HARDNESS	P00900	11837	0.34516	0.0001
NICKEL	0	P01065	PH	P00400	18884	-0.46633	0.0001
NICKEL	0	P01067	PH	P00400	12459	-0.11765	0.0001
NICKEL	0	P01065	SELENIUM	P01145	9404	0.10299	0.0001
NICKEL	0	P01067	SELENIUM	P01147	5865	0.06588	0.0001
NICKEL	0	P01065	THALLIUM	P01057	285	0.24036	0.0001
NICKEL	0	P01065	THALLIUM	P01059	113	0.28591	0.0021
NICKEL	0	P01067	THALLIUM	P01059	950	0.15013	0.0001
NICKEL	0	P01067	TURBIDITY	P00076	8059	0.03898	0.0005
NICKEL	100	P01067	ALKALINITY	P39036	168	-0.17537	0.023
NICKEL	100	P01065	ANTIMONY	P01095	28	0.99723	0.0001
NICKEL	100	P01065	ANTIMONY	P01097	14	-0.83321	0.0002
NICKEL	100	P01065	BARIUM	P01005	602	0.18582	0.0001
NICKEL	100	P01065	BARIUM	P01007	75	-0.49154	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
NICKEL	100	P01067	BARIUM	P01005	365	-0.22217	0.0001
NICKEL	100	P01065	BERYLLIUM	P01010	540	0.19146	0.0001
NICKEL	100	P01065	BERYLLIUM	P01012	34	0.98481	0.0001
NICKEL	100	P01067	BERYLLIUM	P01010	108	0.79799	0.0001
NICKEL	100	P01065	CADMIUM	P01025	673	0.2242	0.0001
NICKEL	100	P01065	CADMIUM	P01027	98	0.90738	0.0001
NICKEL	100	P01067	CADMIUM	P01025	365	0.81267	0.0001
NICKEL	100	P01067	CADMIUM	P01027	363	0.86036	0.0001
NICKEL	100	P01065	CHROMIUM	P01030	710	0.22863	0.0001
NICKEL	100	P01065	CHROMIUM	P01034	100	0.87366	0.0001
NICKEL	100	P01067	CHROMIUM	P01030	366	0.84166	0.0001
NICKEL	100	P01067	CHROMIUM	P01034	368	0.29089	0.0001
NICKEL	100	P01065	CONDUCTANCE	P00095	708	0.13266	0.0004
NICKEL	100	P01065	DISSOLVED-OXYGE	P00300	234	-0.35892	0.0001
NICKEL	100	P01067	DISSOLVED-OXYGE	P00300	365	-0.43151	0.0001
NICKEL	100	P01067	DISSOLVED-SOLID	P70301	337	0.10982	0.0439
NICKEL	100	P01065	HARDNESS	P00900	705	0.31902	0.0001
NICKEL	100	P01065	IRON	P01045	108	0.90175	0.0001
NICKEL	100	P01065	IRON	P01046	708	0.78988	0.0001
NICKEL	100	P01067	IRON	P01045	361	0.78564	0.0001
NICKEL	100	P01067	IRON	P01046	364	0.89547	0.0001
NICKEL	100	P01065	MANGANESE	P01055	113	0.64502	0.0001
NICKEL	100	P01067	MANGANESE	P01055	361	0.75275	0.0001
NICKEL	100	P01067	MANGANESE	P01056	366	0.72497	0.0001
NICKEL	100	P01067	NITRITE	P00615	6	-0.85167	0.0314
NICKEL	100	P01065	PH	P00400	708	-0.42451	0.0001
NICKEL	100	P01067	PH	P00400	382	-0.55262	0.0001
NICKEL	100	P01065	SELENIUM	P01145	408	0.22025	0.0001
NICKEL	100	P01067	SELENIUM	P01145	326	-0.13555	0.0143
NICKEL	100	P01065	SULFATE	P00945	615	0.59811	0.0001
NICKEL	100	P01067	SULFATE	P00945	372	0.26279	0.0001
NITRATE	0	P00618	ALKALINITY	P39036	4108	0.28405	0.0001
NITRATE	0	P00618	ANTIMONY	P01097	227	-0.16219	0.0144
NITRATE	0	P00618	BARIUM	P01005	4731	0.0926	0.0001
NITRATE	0	P00618	BERYLLIUM	P01012	1183	0.10914	0.0002
NITRATE	0	P00618	CADMIUM	P01025	3736	-0.07385	0.0001
NITRATE	0	P00618	CADMIUM	P01027	2511	-0.06977	0.0005
NITRATE	0	P00618	CHROMIUM	P01030	3558	0.04823	0.004
NITRATE	0	P00618	CHROMIUM	P01032	421	-0.10701	0.0281
NITRATE	0	P00618	CHROMIUM	P01034	2594	-0.0529	0.007
NITRATE	0	P00618	CONDUCTANCE	P00095	25694	0.10875	0.0001
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	18066	0.05905	0.0001
NITRATE	0	P00618	HARDNESS	P00900	19461	0.08331	0.0001
NITRATE	0	P00618	MERCURY	P71900	2063	-0.0612	0.0054
NITRATE	0	P00618	NICKEL	P01067	2396	-0.07773	0.0001
NITRATE	0	P00618	NITRITE	P00613	27247	0.27755	0.0001
NITRATE	0	P00618	NITRITE	P00615	1606	0.13448	0.0001
NITRATE	0	P00618	SELENIUM	P01145	4707	0.81757	0.0001
NITRATE	0	P00618	THALLIUM	P01057	85	0.37647	0.0004
NITRATE	0	P00618	TURBIDITY	P00076	7450	-0.03074	0.008
NITRATE	8	P00618	BERYLLIUM	P01010	41	0.75378	0.0001
NITRATE	8	P00618	CONDUCTANCE	P00095	1501	0.37977	0.0001
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	613	0.38712	0.0001
NITRATE	8	P00618	HARDNESS	P00900	637	0.18953	0.0001
NITRATE	8	P00618	IRON	P01046	513	0.13913	0.0016
NITRATE	8	P00618	MANGANESE	P01056	514	0.09918	0.0245
NITRATE	8	P00618	NITRITE	P00613	1579	0.30023	0.0001
NITRATE	8	P00618	PH	P00400	1481	-0.23555	0.0001
NITRATE	8	P00618	SELENIUM	P01145	73	0.81503	0.0001
NITRATE	8	P00618	SULFATE	P00945	653	0.16853	0.0001
NITRATE	8	P00618	TURBIDITY	P00076	361	-0.13403	0.0108
NITRATE	10	P00618	BERYLLIUM	P01010	19	0.84237	0.0001
NITRATE	10	P00618	CONDUCTANCE	P00095	897	0.39174	0.0001
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	321	0.4112	0.0001
NITRATE	10	P00618	HARDNESS	P00900	332	0.19511	0.0003
NITRATE	10	P00618	IRON	P01046	264	0.1525	0.0131
NITRATE	10	P00618	MERCURY	P71900	33	0.36702	0.0356
NITRATE	10	P00618	NITRITE	P00613	956	0.29762	0.0001
NITRATE	10	P00618	PH	P00400	887	-0.26531	0.0001
NITRATE	10	P00618	SELENIUM	P01145	37	0.80151	0.0001
NITRATE	10	P00618	SULFATE	P00945	338	0.17146	0.0016
NITRITE	0	P00613	ALKALINITY	P39036	6678	0.07405	0.0001
NITRITE	0	P00615	ALKALINITY	P39036	311	-0.1759	0.0018
NITRITE	0	P00613	CONDUCTANCE	P00095	46572	0.1229	0.0001
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	33540	0.05975	0.0001
NITRITE	0	P00613	HARDNESS	P00900	35940	0.07333	0.0001
NITRITE	0	P00615	PH	P00400	9729	0.02959	0.0035
NITRITE	0	P00613	SELENIUM	P01145	10182	0.14428	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
NITRITE	0	P00613	THALLIUM	P01057	112	-0.23921	0.0111
NITRITE	0	P00613	THALLIUM	P01059	577	-0.14049	0.0007
NITRITE	0	P00613	WELL-DEPTH	P72008	86	-0.36098	0.0006
NITRITE	1	P00613	ALKALINITY	P39036	38	-0.35484	0.0288
NITRITE	1	P00613	ARSENIC	P01000	25	-0.56075	0.0035
NITRITE	1	P00613	CHROMIUM	P01030	42	0.36836	0.0164
NITRITE	1	P00613	CONDUCTANCE	P00095	115	0.66087	0.0001
NITRITE	1	P00613	DISSOLVED-OXYGE	P00300	57	-0.53175	0.0001
NITRITE	1	P00613	MANGANESE	P01056	63	-0.3293	0.0084
NITRITE	1	P00613	NITRATE	P00618	147	0.36998	0.0001
NITRITE	1	P00613	PH	P00400	106	-0.35801	0.0002
NITRITE	1	P00613	SELENIUM	P01145	15	0.89953	0.0001
PH	0	P00400	ALKALINITY	P39036	7962	0.38331	0.0001
PH	0	P00400	CONDUCTANCE	P00095	95664	0.01786	0.0001
PH	0	P00400	DISSOLVED-OXYGE	P00300	81314	-0.00727	0.0383
PH	0	P00400	TURBIDITY	P00076	28056	0.02289	0.0001
RADIUM-226	0	P09511	BARIUM	P01005	512	0.14301	0.0012
RADIUM-226	0	P76001	BARIUM	P01005	475	0.16653	0.0003
RADIUM-226	0	P09511	CONDUCTANCE	P00095	615	0.19803	0.0001
RADIUM-226	0	P76001	CONDUCTANCE	P00095	569	0.19236	0.0001
RADIUM-226	0	P09511	DISSOLVED-SOLID	P70301	584	0.22059	0.0001
RADIUM-226	0	P76001	DISSOLVED-SOLID	P70301	541	0.21613	0.0001
RADIUM-226	0	P09511	HARDNESS	P00900	612	0.20868	0.0001
RADIUM-226	0	P76001	HARDNESS	P00900	568	0.1963	0.0001
RADIUM-226	0	P09511	NICKEL	P01065	507	0.09466	0.0331
RADIUM-226	0	P76001	NICKEL	P01065	471	0.26553	0.0001
RADIUM-226	0	P09511	SELENIUM	P01145	543	0.10308	0.0163
RADIUM-226	0	P76001	SELENIUM	P01145	505	0.11927	0.0073
RADON	0	P76002	HARDNESS	P00900	67	0.28926	0.0176
RADON	0	P82303	HARDNESS	P00900	67	0.32255	0.0078
RADON	0	P82303	NITRATE	P00618	38	0.60661	0.0001
RADON	0	P76002	SELENIUM	P01145	39	0.70267	0.0001
RADON	0	P82303	SELENIUM	P01145	39	0.80705	0.0001
RADON	0	P76002	WELL-DEPTH	P72008	11	-0.69636	0.0173
RADON	0	P82303	WELL-DEPTH	P72008	11	-0.84114	0.0012
RADON	100	P76002	BARIUM	P01005	4	-0.99073	0.0093
RADON	100	P82303	NITRATE	P00618	21	0.4686	0.0321
RADON	100	P82303	SELENIUM	P01145	36	0.80526	0.0001
RADON	300	P82303	SELENIUM	P01145	15	0.75949	0.001
RADON	500	P82303	SELENIUM	P01145	10	0.78369	0.0073
RADON	1000	P82303	SULFATE	P00945	3	-0.99831	0.037
SELENIUM	0	P01145	CONDUCTANCE	P00095	14670	0.12823	0.0001
SELENIUM	0	P01147	CONDUCTANCE	P00095	7335	0.33291	0.0001
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	6341	0.0694	0.0001
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	12473	0.11829	0.0001
SELENIUM	0	P01147	DISSOLVED-SOLID	P70301	5388	0.44376	0.0001
SELENIUM	0	P01145	HARDNESS	P00900	13800	0.21473	0.0001
SELENIUM	0	P01147	HARDNESS	P00900	6488	0.52915	0.0001
SELENIUM	0	P01147	PH	P00400	7164	0.12761	0.0001
SELENIUM	0	P01145	THALLIUM	P01057	300	0.69425	0.0001
SELENIUM	0	P01147	THALLIUM	P01057	75	0.32218	0.0048
SELENIUM	0	P01147	THALLIUM	P01059	958	0.1563	0.0001
SELENIUM	0	P01145	TURBIDITY	P00076	6797	0.03633	0.0027
SELENIUM	0	P01147	TURBIDITY	P00076	2751	0.06027	0.0016
SELENIUM	50	P01145	ANTIMONY	P01095	9	0.87115	0.0022
SELENIUM	50	P01147	ANTIMONY	P01097	18	-1	0.0001
SELENIUM	50	P01147	ARSENIC	P01000	15	0.68139	0.0052
SELENIUM	50	P01147	ARSENIC	P01002	33	-0.88929	0.0001
SELENIUM	50	P01145	BARIUM	P01005	26	0.40117	0.0422
SELENIUM	50	P01147	BERYLLIUM	P01012	18	-1	0.0001
SELENIUM	50	P01145	CADMIUM	P01025	27	0.40147	0.0379
SELENIUM	50	P01147	CADMIUM	P01025	19	-0.9993	0.0001
SELENIUM	50	P01147	CADMIUM	P01027	33	-0.4785	0.0049
SELENIUM	50	P01145	CHROMIUM	P01030	27	0.39858	0.0395
SELENIUM	50	P01147	CHROMIUM	P01034	33	-0.47782	0.0049
SELENIUM	50	P01147	CONDUCTANCE	P00095	159	0.22011	0.0053
SELENIUM	50	P01147	DISSOLVED-OXYGE	P00300	117	0.18362	0.0475
SELENIUM	50	P01147	HARDNESS	P00900	132	0.20302	0.0196
SELENIUM	50	P01147	IRON	P01045	26	-0.94493	0.0001
SELENIUM	50	P01147	IRON	P01046	15	-0.61885	0.0139
SELENIUM	50	P01145	MANGANESE	P01055	17	0.56769	0.0175
SELENIUM	50	P01147	MANGANESE	P01055	26	-0.94306	0.0001
SELENIUM	50	P01147	MERCURY	P71900	18	-1	0.0001
SELENIUM	50	P01145	NICKEL	P01065	27	0.40111	0.0381
SELENIUM	50	P01147	NICKEL	P01067	33	0.37365	0.0322
SELENIUM	50	P01145	NITRATE	P00618	27	0.7768	0.0001
SELENIUM	50	P01147	NITRATE	P00618	4	0.9846	0.0154
SELENIUM	50	P01147	NITRITE	P00613	13	0.99347	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
SELENIUM	50	P01145	PH	P00400	285	-0.14568	0.0138
SELENIUM	50	P01147	PH	P00400	160	0.27951	0.0003
SELENIUM	50	P01147	SULFATE	P00945	143	0.22398	0.0072
SELENIUM	50	P01147	THALLIUM	P01059	18	-0.99986	0.0001
SULFATE	0	P00945	ALKALINITY	P39036	7653	0.07393	0.0001
SULFATE	0	P00945	ANTIMONY	P01095	3511	0.72839	0.0001
SULFATE	0	P00945	ANTIMONY	P01097	631	-0.13717	0.0006
SULFATE	0	P00945	BARIUM	P01005	16742	0.43903	0.0001
SULFATE	0	P00945	BERYLLIUM	P01010	11061	0.5377	0.0001
SULFATE	0	P00945	BERYLLIUM	P01012	7418	0.03332	0.0041
SULFATE	0	P00945	CADMIUM	P01025	16675	0.49666	0.0001
SULFATE	0	P00945	CADMIUM	P01027	12409	0.21352	0.0001
SULFATE	0	P00945	CHROMIUM	P01030	15101	0.55116	0.0001
SULFATE	0	P00945	CHROMIUM	P01034	11341	0.01896	0.0435
SULFATE	0	P00945	CONDUCTANCE	P00095	53834	0.65863	0.0001
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	45638	0.54219	0.0001
SULFATE	0	P00945	HARDNESS	P00900	53760	0.78024	0.0001
SULFATE	0	P00945	IRON	P01045	12307	0.65361	0.0001
SULFATE	0	P00945	IRON	P01046	39521	0.64468	0.0001
SULFATE	0	P00945	IRON	P01047	157	0.93004	0.0001
SULFATE	0	P00945	MANGANESE	P01055	11634	0.36871	0.0001
SULFATE	0	P00945	MANGANESE	P01056	38430	0.20916	0.0001
SULFATE	0	P00945	MERCURY	P71900	8959	0.03545	0.0008
SULFATE	0	P00945	NICKEL	P01065	16599	0.70472	0.0001
SULFATE	0	P00945	NICKEL	P01067	10000	0.45571	0.0001
SULFATE	0	P00945	NITRATE	P00618	19654	0.0489	0.0001
SULFATE	0	P00945	NITRITE	P00613	36116	0.05903	0.0001
SULFATE	0	P00945	NITRITE	P00615	5420	0.03012	0.0266
SULFATE	0	P00945	PH	P00400	54847	-0.11564	0.0001
SULFATE	0	P00945	RADIUM-226	P09511	608	0.1952	0.0001
SULFATE	0	P00945	RADIUM-226	P76001	564	0.19076	0.0001
SULFATE	0	P00945	RADON	P76002	67	0.24181	0.0487
SULFATE	0	P00945	SELENIUM	P01145	13477	0.14959	0.0001
SULFATE	0	P00945	SELENIUM	P01147	6663	0.58098	0.0001
SULFATE	0	P00945	THALLIUM	P01057	344	-0.26265	0.0001
SULFATE	25	P00945	ALKALINITY	P39036	5232	-0.07296	0.0001
SULFATE	25	P00945	ANTIMONY	P01095	1588	0.72971	0.0001
SULFATE	25	P00945	ARSENIC	P01000	6899	0.1854	0.0001
SULFATE	25	P00945	BARIUM	P01005	10868	0.43542	0.0001
SULFATE	25	P00945	BARIUM	P01007	5223	0.05834	0.0001
SULFATE	25	P00945	BERYLLIUM	P01010	7884	0.53987	0.0001
SULFATE	25	P00945	BERYLLIUM	P01012	5729	0.18209	0.0001
SULFATE	25	P00945	CADMIUM	P01025	10992	0.49946	0.0001
SULFATE	25	P00945	CADMIUM	P01027	8140	0.18795	0.0001
SULFATE	25	P00945	CHROMIUM	P01030	10124	0.55389	0.0001
SULFATE	25	P00945	CONDUCTANCE	P00095	30692	0.64573	0.0001
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	24523	0.53036	0.0001
SULFATE	25	P00945	HARDNESS	P00900	29758	0.77935	0.0001
SULFATE	25	P00945	IRON	P01045	8186	0.673	0.0001
SULFATE	25	P00945	IRON	P01046	22127	0.64381	0.0001
SULFATE	25	P00945	IRON	P01047	157	0.93004	0.0001
SULFATE	25	P00945	MANGANESE	P01055	7787	0.36181	0.0001
SULFATE	25	P00945	MANGANESE	P01056	21301	0.20071	0.0001
SULFATE	25	P00945	MERCURY	P71900	5912	0.08222	0.0001
SULFATE	25	P00945	NICKEL	P01065	10620	0.7026	0.0001
SULFATE	25	P00945	NICKEL	P01067	7049	0.44909	0.0001
SULFATE	25	P00945	NITRATE	P00618	10604	0.12558	0.0001
SULFATE	25	P00945	NITRITE	P00613	17393	0.03097	0.0001
SULFATE	25	P00945	PH	P00400	29891	-0.20505	0.0001
SULFATE	25	P00945	RADIUM-226	P09511	186	0.47143	0.0001
SULFATE	25	P00945	RADIUM-226	P76001	178	0.37699	0.0001
SULFATE	25	P00945	SELENIUM	P01145	9107	0.14561	0.0001
SULFATE	25	P00945	SELENIUM	P01147	4403	0.59859	0.0001
SULFATE	25	P00945	THALLIUM	P01057	141	-0.23436	0.0052
SULFATE	120	P00945	ALKALINITY	P39036	1913	-0.09957	0.0001
SULFATE	120	P00945	ANTIMONY	P01095	723	0.73095	0.0001
SULFATE	120	P00945	ARSENIC	P01000	3971	0.19307	0.0001
SULFATE	120	P00945	BARIUM	P01005	4004	0.45494	0.0001
SULFATE	120	P00945	BARIUM	P01007	1478	0.0833	0.0013
SULFATE	120	P00945	BERYLLIUM	P01010	2563	0.55094	0.0001
SULFATE	120	P00945	BERYLLIUM	P01012	1291	0.21302	0.0001
SULFATE	120	P00945	CADMIUM	P01025	4268	0.5356	0.0001
SULFATE	120	P00945	CADMIUM	P01027	2337	0.25189	0.0001
SULFATE	120	P00945	CHROMIUM	P01030	3975	0.56839	0.0001
SULFATE	120	P00945	CHROMIUM	P01034	2234	0.07585	0.0003
SULFATE	120	P00945	CONDUCTANCE	P00095	12891	0.6158	0.0001
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	10529	0.50537	0.0001
SULFATE	120	P00945	HARDNESS	P00900	12308	0.76117	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
SULFATE	120	P00945	IRON	P01045	2756	0.70158	0.0001
SULFATE	120	P00945	IRON	P01046	8496	0.63735	0.0001
SULFATE	120	P00945	IRON	P01047	154	0.9312	0.0001
SULFATE	120	P00945	MANGANESE	P01055	2548	0.32	0.0001
SULFATE	120	P00945	MANGANESE	P01056	7879	0.17272	0.0001
SULFATE	120	P00945	MERCURY	P71900	1811	0.04793	0.0414
SULFATE	120	P00945	NICKEL	P01065	3872	0.69257	0.0001
SULFATE	120	P00945	NICKEL	P01067	1965	0.44173	0.0001
SULFATE	120	P00945	NITRATE	P00618	3393	0.14123	0.0001
SULFATE	120	P00945	PH	P00400	12262	-0.22824	0.0001
SULFATE	120	P00945	RADIUM-226	P09511	80	0.54175	0.0001
SULFATE	120	P00945	RADIUM-226	P76001	75	0.4143	0.0002
SULFATE	120	P00945	SELENIUM	P01145	5308	0.13529	0.0001
SULFATE	120	P00945	SELENIUM	P01147	1740	0.58372	0.0001
SULFATE	150	P00945	ALKALINITY	P39036	1735	-0.08857	0.0002
SULFATE	150	P00945	ANTIMONY	P01095	619	0.73107	0.0001
SULFATE	150	P00945	ARSENIC	P01000	3544	0.19341	0.0001
SULFATE	150	P00945	BARIUM	P01005	3455	0.45825	0.0001
SULFATE	150	P00945	BARIUM	P01007	1153	0.07042	0.0168
SULFATE	150	P00945	BERYLLIUM	P01010	2158	0.55375	0.0001
SULFATE	150	P00945	BERYLLIUM	P01012	987	0.19055	0.0001
SULFATE	150	P00945	CADMIUM	P01025	3666	0.53874	0.0001
SULFATE	150	P00945	CADMIUM	P01027	1847	0.25342	0.0001
SULFATE	150	P00945	CHROMIUM	P01030	3445	0.57121	0.0001
SULFATE	150	P00945	CHROMIUM	P01034	1792	0.08663	0.0002
SULFATE	150	P00945	CONDUCTANCE	P00095	11261	0.60896	0.0001
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	9270	0.50019	0.0001
SULFATE	150	P00945	HARDNESS	P00900	10784	0.75647	0.0001
SULFATE	150	P00945	IRON	P01045	2214	0.71014	0.0001
SULFATE	150	P00945	IRON	P01046	7285	0.63523	0.0001
SULFATE	150	P00945	IRON	P01047	154	0.9312	0.0001
SULFATE	150	P00945	MANGANESE	P01055	2046	0.30777	0.0001
SULFATE	150	P00945	MANGANESE	P01056	6692	0.16588	0.0001
SULFATE	150	P00945	MERCURY	P71900	1459	0.05658	0.0307
SULFATE	150	P00945	NICKEL	P01065	3325	0.68962	0.0001
SULFATE	150	P00945	NICKEL	P01067	1551	0.43202	0.0001
SULFATE	150	P00945	NITRATE	P00618	2876	0.13981	0.0001
SULFATE	150	P00945	PH	P00400	10708	-0.22667	0.0001
SULFATE	150	P00945	RADIUM-226	P09511	73	0.53292	0.0001
SULFATE	150	P00945	RADIUM-226	P76001	67	0.4392	0.0002
SULFATE	150	P00945	RADON	P76002	31	0.50824	0.0035
SULFATE	150	P00945	SELENIUM	P01145	4752	0.13235	0.0001
SULFATE	150	P00945	SELENIUM	P01147	1480	0.58558	0.0001
SULFATE	250	P00945	ALKALINITY	P39036	1205	-0.12382	0.0001
SULFATE	250	P00945	ANTIMONY	P01095	387	0.73108	0.0001
SULFATE	250	P00945	ARSENIC	P01000	2444	0.19438	0.0001
SULFATE	250	P00945	ARSENIC	P01002	732	-0.099	0.0074
SULFATE	250	P00945	BARIUM	P01005	2354	0.47366	0.0001
SULFATE	250	P00945	BERYLLIUM	P01010	1441	0.56211	0.0001
SULFATE	250	P00945	BERYLLIUM	P01012	545	0.18164	0.0001
SULFATE	250	P00945	CADMIUM	P01025	2385	0.54967	0.0001
SULFATE	250	P00945	CADMIUM	P01027	1006	0.25291	0.0001
SULFATE	250	P00945	CHROMIUM	P01030	2280	0.58098	0.0001
SULFATE	250	P00945	CHROMIUM	P01034	995	0.12028	0.0001
SULFATE	250	P00945	CONDUCTANCE	P00095	7576	0.58644	0.0001
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	6249	0.48208	0.0001
SULFATE	250	P00945	HARDNESS	P00900	7248	0.73859	0.0001
SULFATE	250	P00945	IRON	P01045	1341	0.73845	0.0001
SULFATE	250	P00945	IRON	P01046	4704	0.62667	0.0001
SULFATE	250	P00945	IRON	P01047	150	0.93232	0.0001
SULFATE	250	P00945	MANGANESE	P01055	1243	0.26124	0.0001
SULFATE	250	P00945	MANGANESE	P01056	4205	0.14035	0.0001
SULFATE	250	P00945	MERCURY	P71900	890	0.10976	0.001
SULFATE	250	P00945	NICKEL	P01065	2200	0.67826	0.0001
SULFATE	250	P00945	NICKEL	P01067	826	0.42384	0.0001
SULFATE	250	P00945	NITRATE	P00618	1658	0.13357	0.0001
SULFATE	250	P00945	PH	P00400	7190	-0.20772	0.0001
SULFATE	250	P00945	RADIUM-226	P09511	44	0.53526	0.0002
SULFATE	250	P00945	RADIUM-226	P76001	41	0.4516	0.003
SULFATE	250	P00945	SELENIUM	P01145	3304	0.12097	0.0001
SULFATE	250	P00945	SELENIUM	P01147	1019	0.56479	0.0001
SULFATE	500	P00945	ALKALINITY	P39036	682	-0.30859	0.0001
SULFATE	500	P00945	ANTIMONY	P01095	162	0.72918	0.0001
SULFATE	500	P00945	ARSENIC	P01000	1593	0.19584	0.0001
SULFATE	500	P00945	ARSENIC	P01002	375	-0.12139	0.0187
SULFATE	500	P00945	BARIUM	P01005	1417	0.51368	0.0001
SULFATE	500	P00945	BERYLLIUM	P01010	862	0.57755	0.0001
SULFATE	500	P00945	BERYLLIUM	P01012	220	0.36342	0.0001

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
SULFATE	500	P00945	CADMIUM	P01025	1533	0.56459	0.0001
SULFATE	500	P00945	CADMIUM	P01027	483	0.20794	0.0001
SULFATE	500	P00945	CHROMIUM	P01030	1464	0.59501	0.0001
SULFATE	500	P00945	CONDUCTANCE	P00095	4435	0.55138	0.0001
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	3574	0.45011	0.0001
SULFATE	500	P00945	HARDNESS	P00900	4226	0.70229	0.0001
SULFATE	500	P00945	IRON	P01045	708	0.7777	0.0001
SULFATE	500	P00945	IRON	P01046	2608	0.6043	0.0001
SULFATE	500	P00945	IRON	P01047	132	0.93667	0.0001
SULFATE	500	P00945	MANGANESE	P01055	700	0.17518	0.0001
SULFATE	500	P00945	MANGANESE	P01056	2317	0.09099	0.0001
SULFATE	500	P00945	MERCURY	P71900	492	0.10088	0.0252
SULFATE	500	P00945	NICKEL	P01065	1287	0.65151	0.0001
SULFATE	500	P00945	NICKEL	P01067	394	0.35447	0.0001
SULFATE	500	P00945	NITRATE	P00618	793	0.11626	0.001
SULFATE	500	P00945	NITRITE	P00615	85	-0.227	0.0367
SULFATE	500	P00945	PH	P00400	4185	-0.16709	0.0001
SULFATE	500	P00945	RADIUM-226	P09511	23	0.60128	0.0024
SULFATE	500	P00945	RADIUM-226	P76001	23	0.58348	0.0035
SULFATE	500	P00945	SELENIUM	P01145	2054	0.10194	0.0001
SULFATE	500	P00945	SELENIUM	P01147	662	0.52948	0.0001
THALLIUM	0	P01059	ALKALINITY	P39036	413	0.14669	0.0028
THALLIUM	0	P01059	CONDUCTANCE	P00095	930	-0.0787	0.0164
THALLIUM	0	P01057	DISSOLVED-SOLID	P70301	167	-0.37438	0.0001
THALLIUM	0	P01059	DISSOLVED-SOLID	P70301	738	0.11987	0.0011
THALLIUM	0	P01057	HARDNESS	P00900	339	-0.55909	0.0001
THALLIUM	0	P01059	HARDNESS	P00900	856	0.08959	0.0087
THALLIUM	0	P01057	PH	P00400	330	-0.64692	0.0001
THALLIUM	0	P01059	PH	P00400	915	-0.10203	0.002
THALLIUM	2	P01059	ALKALINITY	P39036	413	0.14669	0.0028
THALLIUM	2	P01057	ANTIMONY	P01097	15	0.59646	0.0189
THALLIUM	2	P01059	ANTIMONY	P01097	230	0.99691	0.0001
THALLIUM	2	P01057	ARSENIC	P01000	227	0.64348	0.0001
THALLIUM	2	P01059	ARSENIC	P01002	883	0.47166	0.0001
THALLIUM	2	P01057	BARIUM	P01005	203	-0.31941	0.0001
THALLIUM	2	P01059	BARIUM	P01005	157	-0.43045	0.0001
THALLIUM	2	P01057	BERYLLIUM	P01010	215	0.49908	0.0001
THALLIUM	2	P01057	BERYLLIUM	P01012	15	0.60512	0.0168
THALLIUM	2	P01059	BERYLLIUM	P01012	878	0.18422	0.0001
THALLIUM	2	P01057	CADMIUM	P01025	229	0.62975	0.0001
THALLIUM	2	P01057	CADMIUM	P01027	15	0.59267	0.0199
THALLIUM	2	P01059	CADMIUM	P01027	763	0.31227	0.0001
THALLIUM	2	P01057	CHROMIUM	P01030	229	0.21946	0.0008
THALLIUM	2	P01059	CHROMIUM	P01030	156	-0.16469	0.0399
THALLIUM	2	P01057	CONDUCTANCE	P00095	54	-0.4685	0.0004
THALLIUM	2	P01059	CONDUCTANCE	P00095	829	-0.09076	0.0089
THALLIUM	2	P01059	DISSOLVED-OXYGE	P00300	422	0.09984	0.0404
THALLIUM	2	P01057	DISSOLVED-SOLID	P70301	94	-0.70609	0.0001
THALLIUM	2	P01059	DISSOLVED-SOLID	P70301	670	0.11651	0.0025
THALLIUM	2	P01057	HARDNESS	P00900	230	-0.75548	0.0001
THALLIUM	2	P01059	HARDNESS	P00900	784	0.09869	0.0057
THALLIUM	2	P01057	IRON	P01045	193	-0.29574	0.0001
THALLIUM	2	P01057	IRON	P01046	231	0.27262	0.0001
THALLIUM	2	P01059	IRON	P01045	200	-0.1851	0.0087
THALLIUM	2	P01057	MANGANESE	P01056	231	0.16557	0.0117
THALLIUM	2	P01059	MANGANESE	P01055	200	-0.29011	0.0001
THALLIUM	2	P01057	MERCURY	P71890	32	-0.379	0.0324
THALLIUM	2	P01057	MERCURY	P71900	14	0.60522	0.0218
THALLIUM	2	P01059	MERCURY	P71900	760	0.27666	0.0001
THALLIUM	2	P01057	NICKEL	P01065	203	0.70831	0.0001
THALLIUM	2	P01059	NICKEL	P01065	52	0.29334	0.0348
THALLIUM	2	P01059	NICKEL	P01067	867	0.17519	0.0001
THALLIUM	2	P01057	NITRATE	P00618	22	0.73855	0.0001
THALLIUM	2	P01057	NITRITE	P00613	33	-0.4248	0.0137
THALLIUM	2	P01057	NITRITE	P00615	152	-0.1673	0.0394
THALLIUM	2	P01059	NITRITE	P00613	573	-0.13666	0.001
THALLIUM	2	P01057	PH	P00400	222	-0.56538	0.0001
THALLIUM	2	P01059	PH	P00400	839	-0.09743	0.0047
THALLIUM	2	P01059	SELENIUM	P01147	883	0.15356	0.0001
THALLIUM	2	P01057	SULFATE	P00945	232	-0.74307	0.0001
URANIUM-235	0	P22620	CHROMIUM	P01030	19	-0.69631	0.0009
URANIUM-235	0	P22620	NICKEL	P01065	18	-1	0.0001
URANIUM-235	0	P22620	URANIUM-238	P22603	26	0.95209	0.0001
URANIUM-238	0	P22603	CHROMIUM	P01030	19	-0.57861	0.0094
URANIUM-238	0	P22603	NICKEL	P01065	18	-0.72418	0.0007
URANIUM-238	5	P22603	MANGANESE	P01055	3	-0.99893	0.0294
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	408	-0.23489	0.0001
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	144	0.28068	0.0007

Appendix E-significant. National correlation analysis. Significant correlation coefficients for surface water samples.

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE
WELL-DEPTH	0	P72008	PH	P00400	396	0.43504	0.0001

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ALKALINITY	0	CONDUCTANCE	GROUND WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2642	204.9232	148.8865	541407	3	4500	56711	1443.287	4687.848	81850239	1	249000	0.13978	0.0001	2594	*
ALKALINITY	0	TURBIDITY	GROUND WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00076	TURBIDITY-P00076-(NTU)	2642	204.9232	148.8865	541407	3	4500	2359	23.36229	85.84469	55112	0.01	1000	0.01283	0.9136	74	
ANTIMONY	0	ALKALINITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2940	7.838537	29.93498	23045	1	200	2642	204.9232	148.8865	541407	3	4500	-0.02721	0.6788	234	
ANTIMONY	0	ALKALINITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	482	28.07158	61.3558	13531	1	200	2642	204.9232	148.8865	541407	3	4500	0.05914	0.9247	5	
ANTIMONY	0	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2940	7.838537	29.93498	23045	1	200	8200	120.7616	269.9694	990245	1	10000	-0.01703	0.3654	2828	
ANTIMONY	0	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2940	7.838537	29.93498	23045	1	200	2	100	0	200	100	100	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2940	7.838537	29.93498	23045	1	200	776	194.384	563.7236	150842	7	10000	-0.10597	0.2916	101	
ANTIMONY	0	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	482	28.07158	61.3558	13531	1	200	8200	120.7616	269.9694	990245	1	10000	0.10588	0.0909	256	
ANTIMONY	0	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	482	28.07158	61.3558	13531	1	200	2	100	0	200	100	100	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	482	28.07158	61.3558	13531	1	200	776	194.384	563.7236	150842	7	10000	0.08497	0.1065	362	
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2940	7.83854	29.93498	23045	1	200	6332	1.869	12.88026	11835	0.1	406	0.16581	0.0001	2935	*
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2940	7.83854	29.93498	23045	1	200	627	3.52998	5.18639	2213.3	0.5	25	-0.468	0.0001	98	*
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	482	28.07158	61.3558	13531	1	200	6332	1.869	12.88026	11835	0.1	406	0.47221	0.0001	303	*
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	482	28.07158	61.3558	13531	1	200	627	3.52998	5.18639	2213.3	0.5	25	-0.0051	0.9187	404	
ANTIMONY	0	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2940	7.838537	29.93498	23045	1	200	9321	7.570965	108.8909	70569	0.01	5675	0.00623	0.7358	2939	
ANTIMONY	0	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2940	7.838537	29.93498	23045	1	200	1131	4.464633	6.25633	5049.5	1	100	0.32791	0.0010	87	*
ANTIMONY	0	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	482	28.07158	61.3558	13531	1	200	9321	7.570965	108.8909	70569	0.01	5675	-0.0381	0.544	256	
ANTIMONY	0	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	482	28.07158	61.3558	13531	1	200	1131	4.464633	6.25633	5049.5	1	100	0.481	0.0001	438	*
ANTIMONY	0	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2940	7.838537	29.93498	23045	1	200	9790	9.877542	276.7559	96701	0.02	27300	0.32964	0.0001	2920	*
ANTIMONY	0	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2940	7.838537	29.93498	23045	1	200	952	13.00315	41.66239	12379	1	630	-0.04294	0.7241	70	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2940	7.838537	29.93498	23045	1	200	1274	13.5	43.20096	17199	1	1100	0.3737	0.0001	114	*
ANTIMONY	0	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	482	28.07158	61.3558	13531	1	200	9790	9.877542	276.7559	96701	0.02	27300	0.93534	0.0001	266	*
ANTIMONY	0	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	482	28.07158	61.3558	13531	1	200	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	16	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	482	28.07158	61.3558	13531	1	200	1274	13.5	43.20096	17199	1	1100	0.33479	0.0001	461	*
ANTIMONY	0	CONDUCTANCE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2940	7.838537	29.93498	23045	1	200	56711	1443.287	4687.848	81850239	1	249000	0.09728	0.0001	2736	*
ANTIMONY	0	CONDUCTANCE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	482	28.07158	61.3558	13531	1	200	56711	1443.287	4687.848	81850239	1	249000	-0.02166	0.6475	448	
ANTIMONY	0	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2940	7.838537	29.93498	23045	1	200	565	0.650733	3.513117	367.664	0.001	20	-0.68331	0.0001	53	*
ANTIMONY	0	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2940	7.838537	29.93498	23045	1	200	1396	1.095165	12.00667	1528.85	0.01	280	-0.0588	0.3005	312	
ANTIMONY	0	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	482	28.07158	61.3558	13531	1	200	565	0.650733	3.513117	367.664	0.001	20	0.99895	0.0001	178	*
ANTIMONY	0	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	482	28.07158	61.3558	13531	1	200	1396	1.095165	12.00667	1528.85	0.01	280	0.05841	0.6493	63	
ANTIMONY	0	DEPTH-BELOW-LAN	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2940	7.838537	29.93498	23045	1	200	18561	2322.994	304366	43117092	0.02	41465000	0.24349	0.0001	1029	*
ANTIMONY	0	DEPTH-BELOW-LAN	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	482	28.07158	61.3558	13531	1	200	18561	2322.994	304366	43117092	0.02	41465000	-0.14172	0.0767	157	
ANTIMONY	0	DISSOLVED-OXYGE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2940	7.838537	29.93498	23045	1	200	21569	3.824813	7.578481	82497	0.1	545.4	-0.09713	0.0001	2389	*
ANTIMONY	0	DISSOLVED-OXYGE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	482	28.07158	61.3558	13531	1	200	21569	3.824813	7.578481	82497	0.1	545.4	0.32406	0.0001	189	*
ANTIMONY	0	DISSOLVED-SOLID	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2940	7.838537	29.93498	23045	1	200	20725	1497.404	13499	31033701	6	319000	0.26347	0.0001	2360	*
ANTIMONY	0	DISSOLVED-SOLID	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	482	28.07158	61.3558	13531	1	200	20725	1497.404	13499	31033701	6	319000	-0.04873	0.4721	220	
ANTIMONY	0	HARDNESS	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2940	7.838537	29.93498	23045	1	200	25507	382.224	1096.769	9749388	1	28000	0.44634	0.0001	2689	*
ANTIMONY	0	HARDNESS	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	482	28.07158	61.3558	13531	1	200	25507	382.224	1096.769	9749388	1	28000	-0.17651	0.003	275	*
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2940	7.838537	29.93498	23045	1	200	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2940	7.838537	29.93498	23045	1	200	2327	12508	62820	29106465	10	960000	0.21065	0.0003	292	*
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2940	7.838537	29.93498	23045	1	200	22424	2358.813	28780	52894030	0.1	2180000	0.65222	0.0001	2698	*
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	2940	7.838537	29.93498	23045	1	200	195	55634	131042	10848720	0.01	864000	0.34914	0.0021	75	*
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	482	28.07158	61.3558	13531	1	200	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	482	28.07158	61.3558	13531	1	200	2327	12508	62820	29106465	10	960000	0.18448	0.0001	449	*
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	482	28.07158	61.3558	13531	1	200	22424	2358.813	28780	52894030	0.1	2180000	-0.06349	0.2658	205	
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	[illegible]	07158	61.3558	13531	1	200	195	55634	131042	10848720	0.01	864000	#N/A	[illegible]	0	

VTAG	VTHREG	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	0	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2940	7 63854	29 93498	23045	1	200	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2940	7 63854	29 93498	23045	1	200	1774	1132 239	6376 538	2008592	1	160000	0 05846	0 3237	287	
ANTIMONY	0	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2940	7 63854	29 93498	23045	1	200	21991	1007 092	17620	22146953	0 01	1130000	0 17007	0 0001	2871	*
ANTIMONY	0	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	482	28 07158	61.3558	13531	1	200	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	482	28 07158	61 3558	13531	1	200	1774	1132 239	6376 538	2008592	1	160000	-0 01761	0 7068	459	
ANTIMONY	0	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	482	28 07158	61.3558	13531	1	200	21991	1007.092	17620	22146953	0 01	1130000	-0 07368	0 2337	263	
ANTIMONY	0	MERCURY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2940	7.838537	29 93498	23045	1	200	3232	0 123963	0 198296	400 65	0 1	5 5	0 10665	0 0026	796	*
ANTIMONY	0	MERCURY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2940	7 838537	29 93498	23045	1	200	1030	0 296816	0 435845	305.72	0 01	4 5	-0 08895	0 4182	85	
ANTIMONY	0	MERCURY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	482	28 07158	61.3558	13531	1	200	3232	0.123963	0 198296	400 65	0.1	5 5	0 37241	0 0012	73	*
ANTIMONY	0	MERCURY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	482	28 07158	61 3558	13531	1	200	1030	0 296816	0 435845	305 72	0 01	4 5	0 28514	0 0001	383	*
ANTIMONY	0	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2940	7 838537	29 93498	23045	1	200	6399	50 13064	681 1727	320788	0 02	24600	0 36843	0 0001	2827	*
ANTIMONY	0	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2940	7 838537	29 93498	23045	1	200	818	21 85697	53 28237	17879	1	590	0 29066	0 0015	118	*
ANTIMONY	0	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	482	28 07158	61 3558	13531	1	200	6399	50.13064	681 1727	320788	0.02	24600	0 04906	0 4344	256	
ANTIMONY	0	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	482	28 07158	61 3558	13531	1	200	818	21.85697	53 28237	17879	1	590	0 23447	0 0001	461	*
ANTIMONY	0	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2940	7.838537	29 93498	23045	1	200	23214	0.037058	0 289409	860 264897	0.001	25	-0 00424	0 8379	2333	
ANTIMONY	0	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2940	7.838537	29 93498	23045	1	200	835	0 031742	0.183455	26 504833	0 001	5	-0 94846	0 0001	83	*
ANTIMONY	0	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	482	28 07158	61 3558	13531	1	200	23214	0 037058	0 289409	860 264897	0 001	25	-0 01746	0 8437	130	
ANTIMONY	0	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	482	28 07158	61.3558	13531	1	200	835	0 031742	0.183455	26 504833	0 001	5	0 24608	0 0005	198	*
ANTIMONY	0	PH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2940	7 838537	29 93498	23045	1	200	43861	7.122161	0.878663	312385	0.1	12.8	-0 02501	0 1855	2804	
ANTIMONY	0	PH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	482	28 07158	61 3558	13531	1	200	43861	7 122161	0 878663	312385	0.1	12 8	-0 0237	0 6249	428	
ANTIMONY	0	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2940	7 838537	29 93498	23045	1	200	7865	55 57754	657 8106	437117	1	27000	0 18984	0 0001	2727	*
ANTIMONY	0	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2940	7.838537	29 93498	23045	1	200	961	2 578564	3 089181	2478	1	31	0 94559	0 0001	101	*
ANTIMONY	0	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	482	28 07158	61 3558	13531	1	200	7865	55.57754	657.8106	437117	1	27000	-0 0545	0 5091	149	
ANTIMONY	0	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	482	28 07158	61 3558	13531	1	200	961	2 578564	3 089181	2478	1	31	0 93755	0 0001	452	*
ANTIMONY	0	THALLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2940	7 838537	29 93498	23045	1	200	848	9 369458	17 94903	7945 3	0 5	102	0 05924	0 1344	640	
ANTIMONY	0	THALLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2940	7 838537	29 93498	23045	1	200	350	4 434286	7.27558	1552	1	50	0.78218	0 0001	79	*
ANTIMONY	0	THALLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	482	28 07158	61.3558	13531	1	200	848	9.369458	17.94903	7945 3	0.5	102	0.45571	0 0001	228	*
ANTIMONY	0	THALLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	482	28 07158	61 3558	13531	1	200	350	4 434288	7.27558	1552	1	50	0 84047	0 0001	346	*
ANTIMONY	0	TURBIDITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	2940	7 838537	29 93498	23045	1	200	2359	23 36229	85 84469	55112	0 01	1000	0 03361	0 3302	841	
ANTIMONY	0	TURBIDITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	482	28 07158	61 3558	13531	1	200	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	22	
ANTIMONY	0	WELL-DEPTH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	2940	7 838537	29 93498	23045	1	200	105993	257 8247	364 157	27327615	0 5	7106	-0 06687	0 0013	2326	*
ANTIMONY	0	WELL-DEPTH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	482	28 07158	61 3558	13531	1	200	105993	257.8247	364 157	27327615	0.5	7106	-0 17605	0 0005	391	*
ANTIMONY	6	ALKALINITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	309	64 39806	70 44423	19899	6	200	2642	204 9232	148 8865	541407	3	4500	-0 10232	0 87	5	
ANTIMONY	6	ALKALINITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	129	101.5736	81 92	13103	6	200	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	309	64.39806	70.44423	19899	6	200	9943	9 090013	72 56837	90382	1	3800	-0 08066	0 1579	308	
ANTIMONY	6	ARSENIC	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	309	64.39806	70 44423	19899	6	200	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	52	
ANTIMONY	6	ARSENIC	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	129	101.5736	81 92	13103	6	200	9943	9 090013	72 56837	90382	1	3800	-0 81534	0 0001	107	*
ANTIMONY	6	ARSENIC	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	129	101.5736	81 92	13103	6	200	1294	17 47862	94 81877	22617	1	1400	0 00415	0 9628	129	
ANTIMONY	6	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	309	64 39806	70 44423	19899	6	200	8200	120.7616	269 9694	990245	1	10000	0 03893	0 5871	197	
ANTIMONY	6	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	309	64 39806	70 44423	18899	6	200	2	100	0	200	100	100	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	309	64 39806	70 44423	19899	6	200	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	52	
ANTIMONY	6	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	129	101 5736	81 92	13103	6	200	8200	120 7616	269 9694	990245	1	10000	0 70257	0 0001	108	*
ANTIMONY	6	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	129	101.5736	81.92	13103	6	200	2	100	0	200	100	100	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	129	101 5736	81 92	13103	6	200	776	194.384	563 7236	150842	7	10000	-0 17007	0 0924	99	
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	309	64 39806	70.44423	19899	6	200	6332	1 869	12 88026	11835	0.1	406	0 13359	0 0188	309	*
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	309	64.39806	70 44423	19899	6	200	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	52	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	129	101.5736	81.92	13103	6	200	6332	1.869	12.88026	11835	0.1	406	0.25752	0.0071	108	*
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	129	101.5736	81.92	13103	6	200	627	3.52998	5.18639	2213.3	0.5	25	-0.22331	0.0113	128	*
ANTIMONY	6	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	309	64.39806	70.44423	19899	6	200	9321	7.570965	108.8909	70569	0.01	5675	0.13798	0.0152	309	*
ANTIMONY	6	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	309	64.39806	70.44423	19899	6	200	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	52	
ANTIMONY	6	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	129	101.5736	81.92	13103	6	200	9321	7.570965	108.8909	70569	0.01	5675	0.94587	0.0001	108	*
ANTIMONY	6	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	129	101.5736	81.92	13103	6	200	1131	4.464633	6.25633	5049.5	1	100	0.48275	0.0001	129	*
ANTIMONY	6	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	309	64.39806	70.44423	19899	6	200	9790	9.877542	276.7559	96701	0.02	27300	0.44398	0.0001	307	*
ANTIMONY	6	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	309	64.39806	70.44423	19899	6	200	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	309	64.39806	70.44423	19899	6	200	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	52	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	129	101.5736	81.92	13103	6	200	9790	9.877542	276.7559	96701	0.02	27300	0.99125	0.0001	108	*
ANTIMONY	6	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	129	101.5736	81.92	13103	6	200	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	129	101.5736	81.92	13103	6	200	1274	13.5	43.20096	17199	1	1100	0.16462	0.0623	129	
ANTIMONY	6	CONDUCTANCE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	309	64.39806	70.44423	19899	6	200	56711	1443.287	4687.848	81850239	1	249000	-0.03825	0.5571	238	
ANTIMONY	6	CONDUCTANCE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	129	101.5736	81.92	13103	6	200	56711	1443.287	4687.848	81850239	1	249000	0.14065	0.1148	127	
ANTIMONY	6	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	309	64.39806	70.44423	19899	6	200	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	309	64.39806	70.44423	19899	6	200	1396	1.095165	12.00667	1528.85	0.01	280	-0.32047	0.0003	121	*
ANTIMONY	6	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	129	101.5736	81.92	13103	6	200	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	18	
ANTIMONY	6	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	129	101.5736	81.92	13103	6	200	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	52	
ANTIMONY	6	DEPTH-BELOW-LAN	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	309	64.39806	70.44423	19899	6	200	18561	2322.994	304366	43117092	0.02	41465000	0.06247	0.8239	64	
ANTIMONY	6	DEPTH-BELOW-LAN	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	129	101.5736	81.92	13103	6	200	18561	2322.994	304366	43117092	0.02	41465000	-0.61831	0.0048	19	*
ANTIMONY	6	DISSOLVED-OXYGE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	309	64.39806	70.44423	19899	6	200	21569	3.824813	7.578481	82497	0.1	545.4	0.24493	0.0001	271	*
ANTIMONY	6	DISSOLVED-OXYGE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	129	101.5736	81.92	13103	6	200	21569	3.824813	7.578481	82497	0.1	545.4	0.63487	0.0001	107	*
ANTIMONY	6	DISSOLVED-SOLID	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	309	64.39806	70.44423	19899	6	200	20725	1497.404	13499	31033701	6	319000	0.15552	0.0526	156	
ANTIMONY	6	DISSOLVED-SOLID	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	129	101.5736	81.92	13103	6	200	20725	1497.404	13499	31033701	6	319000	0.31053	0.0238	53	*
ANTIMONY	6	HARDNESS	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	309	64.39806	70.44423	19899	6	200	25507	382.224	1096.769	9749388	1	28000	0.53845	0.0001	186	*
ANTIMONY	6	HARDNESS	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	129	101.5736	81.92	13103	6	200	25507	382.224	1096.769	9749388	1	28000	-0.28498	0.0444	58	*
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	309	64.39806	70.44423	19899	6	200	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	309	64.39806	70.44423	19899	6	200	2327	12508	62820	29106465	10	960000	-0.54247	0.0001	112	*
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	309	64.39806	70.44423	19899	6	200	22424	2358.813	28780	52894030	0.1	2180000	0.59022	0.0001	188	*
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	309	64.39806	70.44423	19899	6	200	195	55634	131042	10848720	0.01	884000	-0.14135	0.2772	61	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	129	101.5736	81.92	13103	6	200	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	129	101.5736	81.92	13103	6	200	2327	12508	62820	29106465	10	960000	0.02528	0.777	128	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	129	101.5736	81.92	13103	6	200	22424	2358.813	28780	52894030	0.1	2180000	-0.2722	0.0387	58	*
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	129	101.5736	81.92	13103	6	200	195	55634	131042	10848720	0.01	884000	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	309	64.39806	70.44423	19899	6	200	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	309	64.39806	70.44423	19899	6	200	1774	1132.239	6376.538	2008592	1	160000	-0.50832	0.0001	113	*
ANTIMONY	6	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	309	64.39806	70.44423	19899	6	200	21991	1007.092	17620	22146953	0.01	1130000	0.11639	0.0719	240	
ANTIMONY	6	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	129	101.5736	81.92	13103	6	200	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	129	101.5736	81.92	13103	6	200	1774	1132.239	6376.538	2008592	1	160000	-0.05362	0.5462	129	
ANTIMONY	6	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	129	101.5736	81.92	13103	6	200	21991	1007.092	17620	22146953	0.01	1130000	-0.10294	0.2845	110	
ANTIMONY	6	MERCURY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	309	64.39806	70.44423	19899	6	200	3232	0.123963	0.198296	400.65	0.1	5.5	0.37249	0.0001	275	*
ANTIMONY	6	MERCURY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	309	64.39806	70.44423	19899	6	200	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	52	
ANTIMONY	6	MERCURY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	129	101.5736	81.92	13103	6	200	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	52	
ANTIMONY	6	MERCURY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	129	101.5736	81.92	13103	6	200	1030	0.296816	0.435845	305.72	0.01	4.5	-0.69003	0.0001	73	*
ANTIMONY	6	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	309	64.39806	70.44423	19899	6	200	6399	50.13064	681.1727	320786	0.02	24800	0.10889	0.1277	197	
ANTIMONY	6	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	[illegible]	39806	70.44423	19899	6	200	818	21.85697	53.28237	17879	1	590	#N/A	[illegible]	52	

Appendix E-threshold National correlation analysis Correlat[illegible]ents and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	129	101 5736	81 92	13103	6	200	6399	50 13064	681 1727	320786	0.02	24600	0 68266	0 0001	108	*
ANTIMONY	6	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	129	101 5736	81.92	13103	6	200	818	21.85697	53 28237	17879	1	590	0 05336	0 5481	129	
ANTIMONY	6	NITRATE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	309	64 39806	70 44423	19899	6	200	5663	8 003763	38.93465	45325	0 001	1600	-0 49316	0 0105	26	*
ANTIMONY	6	NITRATE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	129	101 5736	81.92	13103	6	200	5663	8 003763	38.93465	45325	0 001	1600	#N/A	#N/A	18	
ANTIMONY	6	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	309	64 39806	70 44423	19899	6	200	23214	0 037058	0 289409	860 264897	0.001	25	-0 2572	0 0249	76	*
ANTIMONY	6	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	309	64 39806	70 44423	19899	6	200	835	0 031742	0.183455	26 504833	0 001	5	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	129	101.5736	81.92	13103	6	200	23214	0 037058	0.289409	860 264897	0 001	25	#N/A	#N/A	2	
ANTIMONY	6	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	129	101 5736	81.92	13103	6	200	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	1	
ANTIMONY	6	PH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	309	64 39806	70 44423	19899	6	200	43861	7.122181	0 678663	312385	0 1	12 8	0 21286	0 0002	299	*
ANTIMONY	6	PH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	129	101 5736	81.92	13103	6	200	43861	7.122181	0 678663	312385	0 1	12 8	0 07858	0 3837	125	
ANTIMONY	6	RADIUM-226	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	309	64 39806	70 44423	19899	6	200	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	309	64 39806	70.44423	19899	6	200	154	1 227987	1 930945	189 11	0.02	14	-0 30341	0 8037	3	
ANTIMONY	6	RADIUM-226	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	309	64 39806	70 44423	19899	6	200	230	0 280176	0.551313	64 4405	0 009	6 14	-0 30399	0 8034	3	
ANTIMONY	6	RADIUM-226	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	129	101 5736	81 92	13103	6	200	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	129	101 5736	81.92	13103	6	200	154	1 227987	1 930945	189 11	0.02	14	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	129	101 5736	81 92	13103	6	200	230	0 280176	0 551313	64 4405	0 009	6.14	#N/A	#N/A	0	
ANTIMONY	6	RADON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P76002	RADON 222-PE-P76002-(PCI/L)	309	64 39806	70 44423	19899	6	200	4914	32 0677	18 5323	157581	7	250	1	#N/A	2	
ANTIMONY	6	RADON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	309	64 39806	70 44423	19899	6	200	4995	1162 253	3158 094	5805454	7	82082	1	#N/A	2	
ANTIMONY	6	RADON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P76002	RADON 222-PE-P76002-(PCI/L)	129	101 5736	81 92	13103	6	200	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
ANTIMONY	6	RADON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	129	101 5736	81 92	13103	6	200	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	309	64 39806	70 44423	19899	6	200	7865	55 57754	657 8106	437117	1	27000	0 4815	0 0001	307	*
ANTIMONY	6	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	309	64 39806	70 44423	19899	6	200	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	52	
ANTIMONY	6	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	129	101 5736	81 92	13103	6	200	7865	55 57754	657 8106	437117	1	27000	-0 61141	0 0001	107	*
ANTIMONY	6	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	129	101.5736	81.92	13103	6	200	961	2 578564	3 089181	2478	1	31	0 96415	0 0001	128	*
ANTIMONY	6	SULFATE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	309	64 39806	70 44423	19899	6	200	26730	231 201	990 9965	6180003	0 03	37000	0 69376	0 0001	257	*
ANTIMONY	6	SULFATE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	129	101 5736	81 92	13103	6	200	26730	231 201	990 9965	6180003	0 03	37000	-0 20347	0 1222	59	
ANTIMONY	6	THALLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	309	64 39806	70 44423	19899	6	200	848	9 369458	17 94903	7945 3	0 5	102	-0 45293	0 0001	223	*
ANTIMONY	6	THALLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	309	64 39806	70 44423	19899	6	200	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	52	
ANTIMONY	6	THALLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	129	101 5736	81 92	13103	6	200	848	9 369458	17 94903	7945 3	0 5	102	-0 36373	0 0001	106	*
ANTIMONY	6	THALLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	129	101 5736	81 92	13103	6	200	350	4 434286	7 27558	1552	1	50	0 75866	0 0001	126	*
ANTIMONY	6	TURBIDITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	309	64 39806	70 44423	19899	6	200	2359	23 36229	65 84469	55112	0 01	1000	#N/A	#N/A	16	
ANTIMONY	6	TURBIDITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	129	101 5736	81.92	13103	6	200	2359	23.36229	65 84469	55112	0 01	1000	#N/A	#N/A	0	
ANTIMONY	6	URANIUM-235	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	309	64 39806	70 44423	19899	6	200	141	56 54043	200 9786	7972 2	0 1	1300	-0 15034	0 9039	3	
ANTIMONY	6	URANIUM-235	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	129	101 5736	81 92	13103	6	200	141	56 54043	200 9786	7972 2	0.1	1300	#N/A	#N/A	1	
ANTIMONY	6	URANIUM-238	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	309	64 39806	70.44423	19899	6	200	141	2844 557	18195	401083	0 1	210000	0 51655	0 6544	3	
ANTIMONY	6	URANIUM-238	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	129	101.5736	81 92	13103	6	200	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	1	
ANTIMONY	6	WELL-DEPTH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	309	64 39806	70 44423	19899	6	200	105993	257 8247	364 157	27327615	0 5	7106	0 01692	0 8383	148	
ANTIMONY	6	WELL-DEPTH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	129	101 5736	81 92	13103	6	200	105993	257 8247	364 157	27327615	0 5	7106	-0 72919	0 0001	124	*
ARSENIC	0	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	9943	9 090013	72 56837	90382	1	3800	2642	204 9232	148 8865	541407	3	4500	0 34103	0 0001	1312	*
ARSENIC	0	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1294	17 47862	94 81877	22617	1	1400	2642	204 9232	148 8865	541407	3	4500	0 19794	0 4311	18	
ARSENIC	0	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	9943	9 090013	72 56837	90382	1	3800	2940	7.838537	29 93498	23045	1	200	0 00617	0 7409	2878	
ARSENIC	0	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	9943	9 090013	72 56837	90382	1	3800	482	28 07158	61 3558	13531	1	200	-0 31129	0 0001	149	*
ARSENIC	0	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1294	17 47862	94 81877	22617	1	1400	2940	7.838537	29 93498	23045	1	200	-0 13153	0 1688	111	
ARSENIC	0	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1294	17 47862	94 81877	22617	1	1400	482	28 07158	61 3558	13531	1	200	0 13322	0.0035	480	*
ARSENIC	0	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	9943	9 090013	72 56837	90382	1	3800	8200	120 7616	269 9694	990245	1	10000	-0 00898	0 4838	6087	
ARSENIC	0	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	9943	9 090013	72 56837	90382	1	3800	2	100	0	200	100	100	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	9943	9 090013	72 56837	90382	1	3800	776	194 384	563.7236	150842	7	10000	-0 04487	0 5976	142	
ARSENIC	0	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1294	17.47862	94.81877	22617	1	1400	8200	120.7616	269 9694	990245	1	10000	0 04163	0.4469	336	
ARSENIC	0	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1294	17.47862	94 81877	22617	1	1400	2	100	0	200	100	100	#N/A	#N/A	2	
ARSENIC	0	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1294	17.47862	94 81877	22617	1	1400	776	194 384	563 7236	150842	7	10000	0 02283	0 5422	715	
ARSENIC	0	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	9943	9 09001	72 56836	90382	1	3800	6332	1 869	12 88026	11835	0 1	406	0 0019	0 8941	4933	
ARSENIC	0	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	9943	9 09001	72 56836	90382	1	3800	627	3 52998	5.18639	2213 3	0 5	25	-0 33116	0 0001	145	*
ARSENIC	0	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1294	17.47862	94 81877	22617	1	1400	6332	1.869	12.88026	11835	0 1	406	-0 01465	0 7931	323	
ARSENIC	0	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1294	17 47862	94 81877	22617	1	1400	627	3 52998	5 18639	2213 3	0 5	25	0 11779	0 0041	593	*
ARSENIC	0	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	9943	9 090013	72 56837	90382	1	3800	9321	7.570965	108 8909	70569	0 01	5675	0 0003	0 9791	7590	
ARSENIC	0	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	9943	9 090013	72 56837	90382	1	3800	1131	4 464633	6 25633	5049 5	1	100	-0 2392	0 0001	263	*
ARSENIC	0	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1294	17.47862	94 81877	22617	1	1400	9321	7.570965	108.8909	70569	0 01	5675	-0 00591	0 915	329	
ARSENIC	0	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1294	17.47862	94 81877	22617	1	1400	1131	4 464633	6 25633	5049 5	1	100	-0 03009	0 3675	899	
ARSENIC	0	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	9943	9 090013	72 56837	90382	1	3800	9790	9 877542	276 7559	96701	0 02	27300	0 0432	0 0002	7641	*
ARSENIC	0	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	9943	9 090013	72 56837	90382	1	3800	952	13.00315	41 66239	12379	1	630	-0 05425	0 3356	317	
ARSENIC	0	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	9943	9 090013	72 56837	90382	1	3800	1274	13 5	43 20096	17199	1	1100	-0 04314	0 4521	306	
ARSENIC	0	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1294	17 47862	94 81877	22617	1	1400	9790	9 877542	276 7559	96701	0 02	27300	0 28427	0 0001	389	*
ARSENIC	0	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1294	17.47862	94 81877	22617	1	1400	952	13 00315	41 66239	12379	1	630	0 22619	0 3996	16	
ARSENIC	0	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1294	17 47862	94 81877	22617	1	1400	1274	13 5	43 20096	17199	1	1100	0 10928	0.0006	978	*
ARSENIC	0	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	9943	9 090013	72 56837	90382	1	3800	56711	1443.287	4687 848	81850239	1	249000	0 06338	0 0001	9493	*
ARSENIC	0	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1294	17 47862	94 81877	22617	1	1400	56711	1443.287	4687.848	81850239	1	249000	0 03502	0 2868	927	
ARSENIC	0	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	9943	9.090013	72.56837	90382	1	3800	565	0.650733	3 513117	367.664	0.001	20	-0 05218	0 5935	107	
ARSENIC	0	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	9943	9 090013	72.56837	90382	1	3800	1396	1.095165	12 00667	1528 85	0 01	280	-0 00437	0.8808	1181	
ARSENIC	0	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1294	17 47862	94 81877	22617	1	1400	565	0 650733	3 513117	367.664	0 001	20	0 06128	0 1852	489	
ARSENIC	0	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1294	17.47862	94.81877	22617	1	1400	1396	1.095165	12 00667	1528 85	0 01	280	-0.15536	0 2093	67	
ARSENIC	0	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	9943	9 090013	72 56837	90382	1	3800	18561	2322 994	304366	43117092	0 02	41465000	-0 0092	0 6159	2978	
ARSENIC	0	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1294	17 47862	94 81877	22617	1	1400	18561	2322 994	304366	43117092	0.02	41465000	-0 04349	0 4353	324	
ARSENIC	0	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	9943	9.090013	72.56837	90382	1	3800	21569	3 824813	7.578481	82497	0 1	545 4	-0 02133	0 1275	5109	
ARSENIC	0	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1294	17 47862	94 81877	22617	1	1400	21569	3 824813	7 578481	82497	0 1	545 4	-0 08317	0 1276	337	
ARSENIC	0	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	9943	9.090013	72.56837	90382	1	3800	20725	1497 404	13499	31033701	6	319000	0 06137	0 0001	8575	*
ARSENIC	0	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1294	17 47862	94 81877	22617	1	1400	20725	1497.404	13499	31033701	6	319000	0 09545	0 0435	448	*
ARSENIC	0	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	9943	9 090013	72 56837	90382	1	3800	25507	382 224	1096 769	9749388	1	28000	-0 011	0 2842	9480	
ARSENIC	0	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1294	17.47862	94 81877	22617	1	1400	25507	382 224	1096 769	9749388	1	28000	-0 0078	0 8518	577	
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	9943	9 090013	72 56837	90382	1	3800	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	9943	9 090013	72.56837	90382	1	3800	2327	12508	62820	29106465	10	960000	-0 09488	0 045	447	*
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	9943	9 090013	72 56837	90382	1	3800	22424	2358.813	28780	52894030	0 1	2180000	-0 00312	0 7605	9523	
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	9943	9 090013	72 56837	90382	1	3800	195	55634	131042	10848720	0 01	864000	-0 11855	0 2713	88	
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1294	17 47862	94 81877	22617	1	1400	2	620	678 8225	1240	140	1100	#N/A	#N/A	2	
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1294	17 47862	94 81877	22617	1	1400	2327	12508	62820	29106465	10	960000	0 07354	0 0291	881	*
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1294	17.47862	94.81877	22617	1	1400	22424	2358 813	28780	52894030	0 1	2180000	0 0551	0 2846	379	
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	1294	17.47862	94 81877	22617	1	1400	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	9943	9 09001	72.56836	90382	1	3800	7	9.28571	20.16362	65	1	55	-0 40825	0 495	5	
ARSENIC	0	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	9943	9 09001	72 56836	90382	1	3800	1774	1132 239	6376 538	2008592	1	160000	-0 05676	0 2556	403	
ARSENIC	0	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	9943	9 09001	72 56836	90382	1	3800	21991	1007 092	17620	22146953	0 01	1130000	-0 00422	0 6796	9594	
ARSENIC	0	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1294	17 47862	94 81877	22617	1	1400	7	9 28571	20 16362	65	1	55	#N/A	#N/A	2	
ARSENIC	0	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1294	17.47862	94 81877	22617	1	1400	1774	1132 239	6376 538	2008592	1	160000	0 01694	0.6152	883	
ARSENIC	0	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	[illegible]	47862	94 81877	22617	1	1400	21991	1007.092	17620	22146953	0 01	1130000	-0 00931	[illegible]	445	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	9943	9 090013	72 56837	90382	1	3800	3232	0 123963	0 198296	400 65	0 1	5 5	-0 0013	0 9416	3167	
ARSENIC	0	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	9943	9 090013	72 56837	90382	1	3800	1030	0 296816	0 435845	305 72	0 01	4 5	-0 09649	0 3371	101	
ARSENIC	0	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1294	17 47862	94 81877	22617	1	1400	3232	0 123963	0 198296	400 65	0 1	5 5	-0 03964	0 6838	108	
ARSENIC	0	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1294	17 47862	94 81877	22617	1	1400	1030	0 296816	0 435845	305 72	0 01	4 5	0 07972	0 0241	800	*
ARSENIC	0	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	9943	9 090013	72 56837	90382	1	3800	6399	50 13064	681 1727	320786	0.02	24600	-0 00466	0 7436	4941	
ARSENIC	0	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	9943	9 090013	72 56837	90382	1	3800	818	21 85697	53 28237	17879	1	590	-0 24537	0 0006	190	*
ARSENIC	0	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1294	17 47862	94 81877	22617	1	1400	6399	50 13064	681 1727	320786	0 02	24600	-0 01144	0 6408	311	
ARSENIC	0	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1294	17 47862	94 81877	22617	1	1400	818	21 85697	53 28237	17879	1	590	0 07226	0 0576	691	
ARSENIC	0	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	9943	9 090013	72 56837	90382	1	3800	5663	8 003763	38 93465	45325	0 001	1600	-0 02018	0 4198	1600	
ARSENIC	0	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1294	17 47862	94 81877	22617	1	1400	5663	8 003763	38 93465	45325	0 001	1600	-0 18918	0 0169	199	*
ARSENIC	0	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	9943	9 090013	72 56837	90382	1	3800	23214	0 037058	0 289409	860 264897	0 001	25	0 00035	0 9747	8387	
ARSENIC	0	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	9943	9 090013	72 56837	90382	1	3800	635	0 031742	0 183455	26 504833	0 001	5	0 05439	0 5144	148	
ARSENIC	0	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1294	17 47862	94 81877	22617	1	1400	23214	0 037058	0 289409	860 264897	0 001	25	-0 01631	0 7498	385	
ARSENIC	0	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1294	17 47862	94 81877	22617	1	1400	635	0 031742	0 183455	26 504833	0 001	5	0 07412	0 2171	279	
ARSENIC	0	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	9943	9 090013	72 56837	90382	1	3800	43861	7.122161	0 878663	312385	0 1	12 8	0 0744	0 0001	9564	*
ARSENIC	0	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1294	17 47862	94 81877	22617	1	1400	43861	7 122161	0 878663	312385	0 1	12 8	0 0433	0 1747	984	
ARSENIC	0	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	99	1 289899	3 734492	127.7	0 1	31	0 05045	0 712	56	
ARSENIC	0	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	154	1 227987	1 930945	189 11	0 02	14	-0 20775	0 0234	119	*
ARSENIC	0	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	230	0 280176	0 551313	64 4405	0.009	6.14	-0.12825	0 1106	156	
ARSENIC	0	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1294	17 47862	94 81877	22617	1	1400	99	1.289899	3 734492	127.7	0 1	31	0 08086	0 7835	14	
ARSENIC	0	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1294	17 47862	94 81877	22617	1	1400	154	1 227987	1 930945	189.11	0 02	14	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1294	17 47862	94 81877	22617	1	1400	230	0.280176	0 551313	64 4405	0 009	6 14	0 08907	0 762	14	
ARSENIC	0	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	4914	32 0677	18 5323	157581	7	250	-0 02251	0 2558	2550	
ARSENIC	0	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	4995	1162 253	3158 094	5805454	7	82082	-0 02181	0 2669	2592	
ARSENIC	0	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	1294	17 47862	94 81877	22617	1	1400	4914	32 0677	18 5323	157581	7	250	0 81262	0 0041	20	*
ARSENIC	0	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1294	17.47862	94 81877	22617	1	1400	4995	1162 253	3158 094	5805454	7	82082	0 05712	0.7957	23	
ARSENIC	0	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	9943	9 090013	72 56837	90382	1	3800	7865	55 57754	657.8106	437117	1	27000	0 00007	0 9955	7099	
ARSENIC	0	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	9943	9 090013	72 56837	90382	1	3800	961	2 578564	3 089181	2478	1	31	-0 47239	0 0001	198	*
ARSENIC	0	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1294	17 47862	94 81877	22617	1	1400	7865	55 57754	657.8106	437117	1	27000	-0 17106	0 0098	227	*
ARSENIC	0	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1294	17 47862	94 81877	22617	1	1400	961	2 578564	3.089181	2478	1	31	0.0319	0 325	954	
ARSENIC	0	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	9943	9 090013	72 56837	90382	1	3800	26730	231 201	990 9965	6180003	0.03	37000	0 01704	0 1006	9291	
ARSENIC	0	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1294	17.47862	94 81877	22617	1	1400	26730	231 201	990 9965	6180003	0 03	37000	-0 01267	0 712	851	
ARSENIC	0	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	9943	9 090013	72 56837	90382	1	3800	848	9 369458	17 94903	7945.3	0 5	102	0 00914	0 8024	752	
ARSENIC	0	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	9943	9 090013	72 56837	90382	1	3800	350	4 434286	7 27558	1552	1	50	-0 51306	0 0001	133	*
ARSENIC	0	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1294	17 47862	94 81877	22617	1	1400	848	9 369458	17 94903	7945 3	0 5	102	-0 04789	0 4708	229	
ARSENIC	0	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1294	17.47862	94 81877	22617	1	1400	350	4 434286	7 27558	1552	1	50	0 19534	0 0003	347	*
ARSENIC	0	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	9943	9.090013	72 56837	90382	1	3800	2359	23 36229	85 84469	55112	0 01	1000	-0 02798	0 3614	1066	
ARSENIC	0	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	1294	17.47862	94 81877	22617	1	1400	2359	23 36229	85 84469	55112	0 01	1000	-0 10521	0 4579	52	
ARSENIC	0	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	141	56 54043	200 9786	7972 2	0 1	1300	-0 09818	0 3075	110	
ARSENIC	0	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1294	17 47862	94 81877	22617	1	1400	141	56.54043	200 9786	7972 2	0 1	1300	-0 24714	0 6368	6	
ARSENIC	0	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	9943	9 090013	72 56837	90382	1	3800	141	2844 557	18195	401083	0.1	210000	-0 04111	0 6698	110	
ARSENIC	0	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1294	17.47862	94 81877	22617	1	1400	141	2844 557	18195	401083	0 1	210000	-0 26308	0 8145	6	
ARSENIC	0	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	9943	9 090013	72 56837	90382	1	3800	105993	257 8247	364 157	27327615	0 5	7106	-0 01311	0 2326	8290	
ARSENIC	0	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	1294	17 47862	94 81877	22617	1	1400	105993	257 8247	364 157	27327615	0 5	7106	-0 08186	0 0126	928	*
ARSENIC	2	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5198	16 47448	99.79995	85634	2	3800	2642	204 9232	148 8865	541407	3	4500	0 38468	0 0001	820	*
ARSENIC	2	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	637	34 47462	133 0723	21960	2	1400	2642	204 9232	148 8865	541407	3	4500	0 24175	0 6444	6	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5198	16.47448	99.79995	85634	2	3800	2940	7.838537	29.93498	23045	1	200	-0.00685	0.809	1247	
ARSENIC	2	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5198	16.47448	99.79995	85634	2	3800	482	28.07158	61.3558	13531	1	200	-0.49233	0.0001	134	*
ARSENIC	2	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	637	34.47462	133.0723	21960	2	1400	2940	7.838537	29.93498	23045	1	200	-0.19416	0.0667	90	
ARSENIC	2	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	637	34.47462	133.0723	21960	2	1400	482	28.07158	61.3558	13531	1	200	0.07202	0.2365	272	
ARSENIC	2	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5198	16.47448	99.79995	85634	2	3800	8200	120.7616	269.9694	990245	1	10000	-0.0167	0.3879	2908	
ARSENIC	2	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5198	16.47448	99.79995	85634	2	3800	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5198	16.47448	99.79995	85634	2	3800	776	194.384	563.7236	150842	7	10000	-0.06919	0.4605	116	
ARSENIC	2	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	637	34.47462	133.0723	21960	2	1400	8200	120.7616	269.9694	990245	1	10000	0.02058	0.7724	200	
ARSENIC	2	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	637	34.47462	133.0723	21960	2	1400	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	637	34.47462	133.0723	21960	2	1400	776	194.384	563.7236	150842	7	10000	0.0001	0.9985	382	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5198	16.47448	99.79995	85634	2	3800	6332	1.869	12.88026	11835	0.1	406	0.00751	0.72	2279	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5198	16.47448	99.79995	85634	2	3800	627	3.52998	5.18639	2213.3	0.5	25	-0.29666	0.0005	134	*
ARSENIC	2	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	637	34.47462	133.0723	21960	2	1400	6332	1.869	12.88026	11835	0.1	406	-0.0471	0.5036	204	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	637	34.47462	133.0723	21960	2	1400	627	3.52998	5.18639	2213.3	0.5	25	0.09304	0.1251	273	
ARSENIC	2	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5198	16.47448	99.79995	85634	2	3800	9321	7.570965	108.8909	70569	0.01	5675	-0.00087	0.957	3842	
ARSENIC	2	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5198	16.47448	99.79995	85634	2	3800	1131	4.464633	6.25633	5049.5	1	100	-0.25806	0.0001	222	*
ARSENIC	2	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	637	34.47462	133.0723	21960	2	1400	9321	7.570965	108.8909	70569	0.01	5675	-0.01142	0.8728	199	
ARSENIC	2	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	637	34.47462	133.0723	21960	2	1400	1131	4.464633	6.25633	5049.5	1	100	-0.04777	0.3247	427	
ARSENIC	2	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5198	16.47448	99.79995	85634	2	3800	9790	9.877542	276.7559	96701	0.02	27300	0.0731	0.0001	3834	*
ARSENIC	2	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5198	16.47448	99.79995	85634	2	3800	952	13.00315	41.66239	12379	1	630	0.17442	0.0063	244	*
ARSENIC	2	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5198	16.47448	99.79995	85634	2	3800	1274	13.5	43.20096	17199	1	1100	-0.16903	0.0096	234	*
ARSENIC	2	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	637	34.47462	133.0723	21960	2	1400	9790	9.877542	276.7559	96701	0.02	27300	0.28026	0.0001	218	*
ARSENIC	2	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	637	34.47462	133.0723	21960	2	1400	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	11	
ARSENIC	2	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	637	34.47462	133.0723	21960	2	1400	1274	13.5	43.20096	17199	1	1100	0.07464	0.1115	456	
ARSENIC	2	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5198	16.47448	99.79995	85634	2	3800	56711	1443.287	4687.848	81850239	1	249000	0.09437	0.0001	4928	*
ARSENIC	2	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	637	34.47462	133.0723	21960	2	1400	56711	1443.287	4687.848	81850239	1	249000	0.08061	0.0627	534	
ARSENIC	2	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5198	16.47448	99.79995	85634	2	3800	565	0.650733	3.513117	367.664	0.001	20	0.0123	0.9392	41	
ARSENIC	2	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5198	16.47448	99.79995	85634	2	3800	1396	1.095185	12.00667	1528.85	0.01	280	-0.01867	0.6332	656	
ARSENIC	2	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	637	34.47462	133.0723	21960	2	1400	565	0.650733	3.513117	367.664	0.001	20	-0.01319	0.0018	90	
ARSENIC	2	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	637	34.47462	133.0723	21960	2	1400	1396	1.095185	12.00667	1528.85	0.01	280	0.03002	0.8153	63	
ARSENIC	2	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5198	16.47448	99.79995	85634	2	3800	18561	2322.994	304366	43117092	0.02	41465000	-0.01081	0.6746	1511	
ARSENIC	2	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	637	34.47462	133.0723	21960	2	1400	18561	2322.994	304366	43117092	0.02	41465000	-0.13284	0.1039	151	
ARSENIC	2	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5198	16.47448	99.79995	85634	2	3800	21569	3.824813	7.578481	82497	0.1	545.4	-0.05549	0.0062	2435	*
ARSENIC	2	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	637	34.47462	133.0723	21960	2	1400	21569	3.824813	7.578481	82497	0.1	545.4	-0.09155	0.1874	209	
ARSENIC	2	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5198	16.47448	99.79995	85634	2	3800	20725	1497.404	13499	31033701	6	319000	0.09449	0.0001	4357	*
ARSENIC	2	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	637	34.47462	133.0723	21960	2	1400	20725	1497.404	13499	31033701	6	319000	0.12077	0.1307	158	
ARSENIC	2	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5198	16.47448	99.79995	85634	2	3800	25507	382.224	1096.769	9749388	1	28000	-0.00472	0.7423	4866	
ARSENIC	2	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	637	34.47462	133.0723	21960	2	1400	25507	382.224	1096.769	9749388	1	28000	0.01141	0.8836	229	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5198	16.47448	99.79995	85634	2	3800	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5198	16.47448	99.79995	85634	2	3800	2327	12508	62820	29106465	10	960000	-0.10029	0.1505	207	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5198	16.47448	99.79995	85634	2	3800	22424	2358.813	28780	52894030	0.1	2180000	-0.00339	0.8128	4882	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	5198	16.47448	99.79995	85634	2	3800	195	55634	131042	10848720	0.01	864000	-0.38323	0.1518	17	
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	637	34.47462	133.0723	21960	2	1400	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	637	34.47462	133.0723	21960	2	1400	2327	12508	62820	29106465	10	960000	0.09124	0.05	462	*
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	[illegible]	34.47462	133.0723	21960	2	1400	22424	2358.813	28780	52894030	0.1	2180000	0.08369	[illegible]	185	
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	[illegible]	47462	133.0723	21960	2	1400	195	55634	131042	10848720	0.01	864000	#N/A	[illegible]	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5198	16 47448	99 79995	85634	2	3800	7	9 28571	20 16362	65	1	55	#N/A	#N/A	3	
ARSENIC	2	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5198	16 47448	99 79995	85634	2	3800	1774	1132 239	6376 538	2008592	1	160000	-0 12398	0 0901	188	
ARSENIC	2	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5198	16 47448	99 79995	85634	2	3800	21991	1007 092	17620	22146953	0 01	1130000	-0 00383	0 7881	4934	
ARSENIC	2	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	637	34 47462	133 0723	21960	2	1400	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	637	34 47462	133 0723	21960	2	1400	1774	1132 239	6376 538	2008592	1	160000	0 00298	0 9493	459	
ARSENIC	2	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	637	34 47462	133 0723	21960	2	1400	21991	1007 092	17620	22146953	0 01	1130000	-0 01964	0 7569	251	
ARSENIC	2	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5198	16 47448	99 79995	85634	2	3800	3232	0 123963	0 198296	400 65	0 1	5 5	0 00025	0 9919	1640	
ARSENIC	2	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5198	16 47448	99 79995	85634	2	3800	1030	0 296816	0 435845	305 72	0 01	4 5	-0 02196	0 8467	80	
ARSENIC	2	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	637	34 47462	133 0723	21960	2	1400	3232	0 123963	0.198296	400 65	0 1	5 5	-0 07388	0 4914	89	
ARSENIC	2	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	637	34 47462	133 0723	21960	2	1400	1030	0 296816	0 435845	305 72	0 01	4.5	0 03778	0 4793	353	
ARSENIC	2	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5198	16 47448	99 79995	85634	2	3800	6399	50 13064	681 1727	320786	0 02	24600	-0 00437	0 8361	2243	
ARSENIC	2	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5198	16 47448	99 79995	85634	2	3800	818	21 85697	53 28237	17879	1	590	-0 28503	0 0002	172	*
ARSENIC	2	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	637	34 47462	133 0723	21960	2	1400	6399	50 13064	681 1727	320786	0 02	24600	-0 04144	0 5723	188	
ARSENIC	2	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	637	34 47462	133 0723	21960	2	1400	818	21 85697	53 28237	17879	1	590	0 0541	0 3066	359	
ARSENIC	2	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5198	16 47448	99 79995	85634	2	3800	5663	8 003763	38 93465	45325	0 001	1600	-0 02954	0 4133	769	
ARSENIC	2	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	637	34 47462	133 0723	21960	2	1400	5663	8 003763	38 93465	45325	0.001	1600	-0.14122	0 1223	121	
ARSENIC	2	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5198	16 47448	99 79995	85634	2	3800	23214	0 037058	0 289409	860 264897	0 001	25	0 02592	0 0908	4258	
ARSENIC	2	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5198	16 47448	99 79995	85634	2	3800	835	0 031742	0 183455	26 504833	0 001	5	-0 02542	0 8241	79	
ARSENIC	2	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	637	34 47462	133 0723	21960	2	1400	23214	0 037058	0 289409	860 264897	0 001	25	-0 01563	0 844	161	
ARSENIC	2	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	637	34 47462	133 0723	21960	2	1400	835	0 031742	0.183455	26 504833	0 001	5	-0.07664	0 5193	73	
ARSENIC	2	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5198	16 47448	99 79995	85634	2	3800	43861	7 122161	0 878663	312385	0 1	12 8	0 07377	0 0001	4979	*
ARSENIC	2	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	637	34 47462	133 0723	21960	2	1400	43861	7 122161	0 878663	312385	0 1	12 8	0 05331	0 2507	466	
ARSENIC	2	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5198	16 47448	99 79995	85634	2	3800	99	1 289899	3 734492	127.7	0 1	31	0 04912	0 7218	55	
ARSENIC	2	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5198	16 47448	99 79995	85634	2	3800	154	1.227987	1 930945	189 11	0 02	14	0 01114	0 9449	41	
ARSENIC	2	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5198	16 47448	99 79995	85634	2	3800	230	0 280176	0 551313	64 4405	0 009	6.14	0 02454	0 8268	82	
ARSENIC	2	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	637	34 47462	133 0723	21960	2	1400	99	1 289899	3 734492	127 7	0 1	31	#N/A	#N/A	1	
ARSENIC	2	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	637	34 47462	133 0723	21960	2	1400	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	637	34 47462	133 0723	21960	2	1400	230	0 280176	0 551313	64 4405	0 009	6 14	#N/A	#N/A	1	
ARSENIC	2	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	5198	16 47448	99 79995	85634	2	3800	4914	32.0677	18.5323	157581	7	250	-0 00594	0 8466	1064	
ARSENIC	2	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	5198	16 47448	99 79995	85634	2	3800	4995	1162 253	3158 094	5805454	7	82082	-0 00837	0 7836	1080	
ARSENIC	2	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	637	34 47462	133 0723	21960	2	1400	4914	32 0677	18 5323	157581	7	250	0 69612	0 1245	6	
ARSENIC	2	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	637	34.47462	133 0723	21960	2	1400	4995	1162 253	3158 094	5805454	7	82082	-0 0922	0 8135	9	
ARSENIC	2	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5198	16 47448	99 79995	85634	2	3800	7865	55 57754	657 8106	437117	1	27000	0 02147	0 1917	3699	
ARSENIC	2	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5198	16 47448	99 79995	85634	2	3800	961	2 578564	3 089181	2478	1	31	-0 61062	0 0001	174	*
ARSENIC	2	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	637	34 47462	133 0723	21960	2	1400	7865	55 57754	657 8106	437117	1	27000	-0 20494	0 0068	173	*
ARSENIC	2	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	637	34 47462	133 0723	21960	2	1400	961	2.578564	3 089181	2478	1	31	-0 02942	0 5304	457	
ARSENIC	2	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	5198	16 47448	99 79995	85634	2	3800	26730	231 201	990 9965	6180003	0 03	37000	0 06744	0 0001	4716	*
ARSENIC	2	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	637	34 47462	133 0723	21960	2	1400	26730	231 201	990 9965	6180003	0 03	37000	-0 02913	0 598	330	
ARSENIC	2	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5198	16 47448	99.79995	85634	2	3800	848	9 369458	17 94903	7945 3	0 5	102	-0 03615	0 4148	511	
ARSENIC	2	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5198	16 47448	99.79995	85634	2	3800	350	4 434286	7 27558	1552	1	50	-0 59316	0 0001	127	*
ARSENIC	2	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	637	34 47462	133 0723	21960	2	1400	848	9 369458	17 94903	7945 3	0 5	102	-0 05338	0 4718	184	
ARSENIC	2	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	637	34 47462	133 0723	21960	2	1400	350	4 434286	7 27558	1552	1	50	-0 0649	0 4033	168	
ARSENIC	2	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	5198	16 47448	99 79995	85634	2	3800	2359	23 36229	85 84469	55112	0 01	1000	-0 07072	0 2324	287	
ARSENIC	2	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	637	34 47462	133 0723	21960	2	1400	2359	23 36229	85 84469	55112	0 01	1000	0 59595	0 0116	17	*
ARSENIC	2	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5198	16 47448	99 79995	85634	2	3800	141	56.54043	200 9786	7972 2	0.1	1300	-0 09389	0 5122	51	
ARSENIC	2	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	637	34.47462	133 0723	21960	2	1400	141	56 54043	200.9786	7972 2	0 1	1300	-0 24714	0 6388	6	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5198	16.47448	99.79995	85634	2	3800	141	2844.557	18195	401083	0.1	210000	-0.07028	0.6241	51	
ARSENIC	2	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	637	34.47462	133.0723	21960	2	1400	141	2844.557	18195	401083	0.1	210000	-0.26308	0.6145	6	
ARSENIC	2	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	5198	16.47448	99.79995	85634	2	3800	105993	257.8247	364.157	27327615	0.5	7106	-0.02817	0.0633	4349	
ARSENIC	2	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	637	34.47462	133.0723	21960	2	1400	105993	257.8247	364.157	27327615	0.5	7106	-0.12196	0.0098	448	*
ARSENIC	5	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2826	28.06175	134.2688	79303	5	3800	2642	204.9232	148.8865	541407	3	4500	0.44025	0.0001	570	*
ARSENIC	5	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	375	56.78222	169.9997	21293	5	1400	2642	204.9232	148.8865	541407	3	4500	0.24175	0.6444	6	
ARSENIC	5	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2826	28.06175	134.2688	79303	5	3800	2940	7.838537	29.93498	23045	1	200	-0.03014	0.4574	610	
ARSENIC	5	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2826	28.06175	134.2688	79303	5	3800	482	28.07158	61.3558	13531	1	200	-0.76482	0.0001	118	*
ARSENIC	5	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	375	56.78222	169.9997	21293	5	1400	2940	7.838537	29.93498	23045	1	200	-0.27572	0.0159	76	*
ARSENIC	5	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	375	56.78222	169.9997	21293	5	1400	482	28.07158	61.3558	13531	1	200	-0.14235	0.1291	115	
ARSENIC	5	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2826	28.06175	134.2688	79303	5	3800	8200	120.7616	269.9694	990245	1	10000	-0.02803	0.2448	1724	
ARSENIC	5	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2826	28.06175	134.2688	79303	5	3800	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2826	28.06175	134.2688	79303	5	3800	776	194.384	563.7236	150842	7	10000	-0.08106	0.4227	100	
ARSENIC	5	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	375	56.78222	169.9997	21293	5	1400	8200	120.7616	269.9694	990245	1	10000	-0.02729	0.7742	113	
ARSENIC	5	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	375	56.78222	169.9997	21293	5	1400	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	375	56.78222	169.9997	21293	5	1400	776	194.384	563.7236	150842	7	10000	0.02838	0.0769	218	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2826	28.06175	134.2688	79303	5	3800	6332	1.869	12.88026	11835	0.1	406	0.01059	0.7066	1267	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2826	28.06175	134.2688	79303	5	3800	627	3.52998	5.18639	2213.3	0.5	25	-0.09816	0.2903	118	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	375	56.78222	169.9997	21293	5	1400	6332	1.869	12.88026	11835	0.1	406	-0.19683	0.0508	99	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	375	56.78222	169.9997	21293	5	1400	627	3.52998	5.18639	2213.3	0.5	25	0.09411	0.2758	138	
ARSENIC	5	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2826	28.06175	134.2688	79303	5	3800	9321	7.570965	108.8909	70569	0.01	5675	0.00843	0.7087	1968	
ARSENIC	5	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2826	28.06175	134.2688	79303	5	3800	1131	4.464833	6.25633	5049.5	1	100	-0.22625	0.0031	169	*
ARSENIC	5	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	375	56.78222	169.9997	21293	5	1400	9321	7.570965	108.8909	70569	0.01	5675	-0.01932	0.6398	112	
ARSENIC	5	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	375	56.78222	169.9997	21293	5	1400	1131	4.464833	6.25633	5049.5	1	100	-0.15149	0.0248	220	*
ARSENIC	5	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2826	28.06175	134.2688	79303	5	3800	9790	9.877542	276.7559	96701	0.02	27300	0.13986	0.0001	1949	*
ARSENIC	5	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2826	28.06175	134.2688	79303	5	3800	952	13.00315	41.66239	12379	1	630	0.19001	0.0522	105	
ARSENIC	5	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2826	28.06175	134.2688	79303	5	3800	1274	13.5	43.20096	17199	1	1100	-0.34058	0.0001	135	*
ARSENIC	5	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	375	56.78222	169.9997	21293	5	1400	9790	9.877542	276.7559	96701	0.02	27300	0.2742	0.0021	123	*
ARSENIC	5	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	375	56.78222	169.9997	21293	5	1400	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	375	56.78222	169.9997	21293	5	1400	1274	13.5	43.20096	17199	1	1100	0.03527	0.5922	233	
ARSENIC	5	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2826	28.06175	134.2688	79303	5	3800	56711	1443.287	4687.848	81850239	1	249000	0.0997	0.0001	2704	*
ARSENIC	5	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	375	56.78222	169.9997	21293	5	1400	56711	1443.287	4687.848	81850239	1	249000	0.1104	0.051	313	
ARSENIC	5	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2826	28.06175	134.2688	79303	5	3800	565	0.650733	3.513117	367.664	0.001	20	0.43736	0.103	15	
ARSENIC	5	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2826	28.06175	134.2688	79303	5	3800	1396	1.095165	12.00687	1528.85	0.01	280	-0.01707	0.7688	299	
ARSENIC	5	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	375	56.78222	169.9997	21293	5	1400	565	0.650733	3.513117	367.664	0.001	20	-0.09747	0.4962	51	
ARSENIC	5	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	375	56.78222	169.9997	21293	5	1400	1396	1.095165	12.00687	1528.85	0.01	280	0.02448	0.8553	58	
ARSENIC	5	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2826	28.06175	134.2688	79303	5	3800	18561	2322.994	304366	43117092	0.02	41465000	0.08902	0.0083	877	*
ARSENIC	5	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	375	56.78222	169.9997	21293	5	1400	18561	2322.994	304366	43117092	0.02	41465000	0.02255	0.8057	122	
ARSENIC	5	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2826	28.06175	134.2688	79303	5	3800	21569	3.824813	7.578481	82497	0.1	545.4	-0.05724	0.0299	1439	*
ARSENIC	5	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	375	56.78222	169.9997	21293	5	1400	21569	3.824813	7.578481	82497	0.1	545.4	-0.12042	0.181	137	
ARSENIC	5	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2826	28.06175	134.2688	79303	5	3800	20725	1497.404	13499	31033701	6	319000	0.09519	0.0001	2323	*
ARSENIC	5	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	375	56.78222	169.9997	21293	5	1400	20725	1497.404	13499	31033701	6	319000	0.07689	0.5149	74	
ARSENIC	5	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2826	28.06175	134.2688	79303	5	3800	25507	382.224	1096.769	9749388	1	28000	-0.00517	0.7699	2654	
ARSENIC	5	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	375	56.78222	169.9997	21293	5	1400	25507	382.224	1096.769	9749388	1	28000	-0.06641	0.5051	103	
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2826	28.06175	134.2688	79303	5	3800	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	[illegible]	06175	134.2688	79303	5	3800	2327	12508	62820	29106465	10	960000	-0.13766	[illegible]	141	

Appendix E-threshold National correlation analysis Correlat[illegible]nts and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2826	28 06175	134 2688	79303	5	3800	22424	2358 813	28780	52894030	0 1	2180000	-0 00745	0 7005	2668	
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	2826	28 06175	134 2688	79303	5	3800	195	55634	131042	10848720	0 01	864000	-0 39361	0 1833	13	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	375	56 78222	169 9997	21293	5	1400	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	375	56 78222	169 9997	21293	5	1400	2327	12508	62820	29106485	10	960000	0 05724	0 3733	244	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	375	56 78222	169 9997	21293	5	1400	22424	2358 813	28780	52894030	0 1	2180000	0 12557	0 241	89	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	375	56 78222	169 9997	21293	5	1400	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2826	28 06175	134 2688	79303	5	3800	7	9 28571	20 16362	65	1	55	#N/A	#N/A	3	
ARSENIC	5	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2826	28 06175	134 2688	79303	5	3800	1774	1132 239	6376 538	2008592	1	160000	-0 14535	0 0878	139	
ARSENIC	5	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2826	28 06175	134 2688	79303	5	3800	21991	1007 092	17620	22146953	0 01	1130000	-0 00458	0 8113	2714	
ARSENIC	5	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	375	56 78222	169 9997	21293	5	1400	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	375	56 78222	169 9997	21293	5	1400	1774	1132 239	6376 538	2008592	1	160000	-0 01188	0 8535	244	
ARSENIC	5	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	375	56 78222	169 9997	21293	5	1400	21991	1007 092	17620	22146953	0 01	1130000	-0 02728	0 7395	151	
ARSENIC	5	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2826	28 06175	134 2688	79303	5	3800	3232	0 123963	0 198296	400 65	0 1	5 5	-0 00458	0 8926	880	
ARSENIC	5	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2826	28 06175	134 2688	79303	5	3800	1030	0 296816	0 435845	305 72	0 01	4 5	-0 12561	0 3188	65	
ARSENIC	5	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	375	56 78222	169 9997	21293	5	1400	3232	0 123963	0 198296	400 65	0 1	5 5	-0 08605	0 4568	77	
ARSENIC	5	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	375	56 78222	169 9997	21293	5	1400	1030	0 296816	0 435845	305 72	0 01	4 5	-0 0338	0 6287	207	
ARSENIC	5	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2826	28 06175	134 2688	79303	5	3800	6399	50 13064	681 1727	320786	0 02	24600	-0 00488	0 8628	1257	
ARSENIC	5	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2826	28 06175	134 2688	79303	5	3800	818	21 85697	53 28237	17879	1	590	-0 3103	0 0005	122	*
ARSENIC	5	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	375	56 78222	169 9997	21293	5	1400	6399	50 13064	681 1727	320786	0 02	24600	-0 05177	0 6072	101	
ARSENIC	5	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	375	56 78222	169 9997	21293	5	1400	818	21 85697	53 28237	17879	1	590	0 00267	0 9747	143	
ARSENIC	5	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2826	28 06175	134 2688	79303	5	3800	5663	8 003763	38 93465	45325	0 001	1600	-0 02968	0 5295	451	
ARSENIC	5	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	375	56 78222	169 9997	21293	5	1400	5663	8 003763	38 93465	45325	0 001	1600	-0 05876	0 5497	106	
ARSENIC	5	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2826	28 06175	134 2688	79303	5	3800	23214	0 037058	0 289409	860 264897	0 001	25	0 04862	0 0201	2286	*
ARSENIC	5	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2826	28 06175	134 2688	79303	5	3800	835	0 031742	0 183455	26 504833	0 001	5	0 20511	0 3363	24	
ARSENIC	5	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	375	56 78222	169 9997	21293	5	1400	23214	0 037058	0 289409	860 264897	0 001	25	-0 07309	0 6139	50	
ARSENIC	5	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	375	56 78222	169 9997	21293	5	1400	835	0 031742	0 183455	26 504833	0 001	5	0 40582	0 0127	37	*
ARSENIC	5	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2826	28 06175	134 2688	79303	5	3800	43861	7 122161	0 878663	312385	0 1	12 8	0 10354	0 0001	2706	*
ARSENIC	5	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	375	56 78222	169 9997	21293	5	1400	43861	7 122161	0 878663	312385	0 1	12 8	0 14116	0 0275	244	*
ARSENIC	5	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2826	28 06175	134 2688	79303	5	3800	99	1 289899	3 734492	127.7	0.1	31	0 05355	0 7428	40	
ARSENIC	5	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2826	28 06175	134 2688	79303	5	3800	154	1 227987	1 930945	189 11	0 02	14	-0 02594	0 8842	34	
ARSENIC	5	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2826	28 06175	134 2688	79303	5	3800	230	0 280176	0 551313	64 4405	0 009	6 14	0 01664	0 8979	62	
ARSENIC	5	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	375	56 78222	169 9997	21293	5	1400	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	375	56 78222	169 9997	21293	5	1400	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	375	56 78222	169 9997	21293	5	1400	230	0 280176	0 551313	64 4405	0 009	6 14	#N/A	#N/A	0	
ARSENIC	5	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	2826	28 06175	134 2688	79303	5	3800	4914	32 0677	18 5323	157581	7	250	0 00527	0 9066	498	
ARSENIC	5	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2826	28 06175	134 2688	79303	5	3800	4995	1162 253	3158 094	5805454	7	82082	0 05203	0 2408	510	
ARSENIC	5	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	375	56 78222	169 9997	21293	5	1400	4914	32 0677	18 5323	157581	7	250	0 67082	0 2152	5	
ARSENIC	5	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	375	56 78222	169 9997	21293	5	1400	4995	1162 253	3158 094	5805454	7	82082	-0 1369	0 7465	8	
ARSENIC	5	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2826	28 06175	134 2688	79303	5	3800	7865	55 57754	657 8106	437117	1	27000	0 00894	0 6977	1888	
ARSENIC	5	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2826	28 06175	134 2688	79303	5	3800	961	2 578564	3 089181	2478	1	31	-0 80406	0 0001	131	*
ARSENIC	5	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	375	56 78222	169 9997	21293	5	1400	7865	55 57754	657 8106	437117	1	27000	-0 19814	0 0481	100	*
ARSENIC	5	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	375	56 78222	169 9997	21293	5	1400	961	2 578564	3 089181	2478	1	31	-0 15584	0 0188	227	*
ARSENIC	5	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2826	28 06175	134 2688	79303	5	3800	26730	231 201	990 9965	6180003	0.03	37000	0 0757	0 0002	2485	*
ARSENIC	5	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	375	56 78222	169 9997	21293	5	1400	26730	231 201	990 9965	6180003	0.03	37000	-0 07148	0 4623	108	
ARSENIC	5	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2826	28 06175	134 2688	79303	5	3800	848	9 389458	17 94903	7945 3	0 5	102	0 01606	0 785	291	
ARSENIC	5	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2826	28 06175	134 2688	79303	5	3800	350	4 434286	7.27558	1552	1	50	-0 69068	0 0001	119	*

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	375	56.78222	169.9997	21293	5	1400	848	9.369458	17.94903	7945.3	0.5	102	-0.30756	0.0127	65	*
ARSENIC	5	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	375	56.78222	169.9997	21293	5	1400	350	4.434286	7.27558	1552	1	50	-0.40618	0.0001	109	*
ARSENIC	5	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	2826	28.06175	134.2688	79303	5	3800	2359	23.36229	85.84469	55112	0.01	1000	-0.05335	0.4794	178	
ARSENIC	5	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	375	56.78222	169.9997	21293	5	1400	2359	23.36229	85.84469	55112	0.01	1000	0.60295	0.038	12	*
ARSENIC	5	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2826	28.06175	134.2688	79303	5	3800	141	56.54043	200.9786	7972.2	0.1	1300	0.10854	0.5976	26	
ARSENIC	5	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	375	56.78222	169.9997	21293	5	1400	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	2	
ARSENIC	5	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2826	28.06175	134.2688	79303	5	3800	141	2844.557	18195	401083	0.1	210000	0.0648	0.7532	26	
ARSENIC	5	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	375	56.78222	169.9997	21293	5	1400	141	2844.557	18195	401083	0.1	210000	-1.00001	#N/A	2	
ARSENIC	5	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	2826	28.06175	134.2688	79303	5	3800	105993	257.8247	364.157	27327615	0.5	7106	-0.03955	0.0573	2311	
ARSENIC	5	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	375	56.78222	169.9997	21293	5	1400	105993	257.8247	364.157	27327615	0.5	7106	-0.05211	0.4139	248	
ARSENIC	10	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1705	42.152	171.4236	71869	10	3800	2642	204.9232	148.8865	541407	3	4500	0.46041	0.0001	375	*
ARSENIC	10	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	268	77.13184	197.5451	20671	10	1400	2642	204.9232	148.8865	541407	3	4500	-0.10219	0.9348	3	
ARSENIC	10	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1705	42.152	171.4236	71869	10	3800	2940	7.838537	29.93498	23045	1	200	0.03807	0.4803	346	
ARSENIC	10	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1705	42.152	171.4236	71869	10	3800	482	28.07158	61.3558	13531	1	200	0	1	66	
ARSENIC	10	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	268	77.13184	197.5451	20671	10	1400	2940	7.838537	29.93498	23045	1	200	-0.2204	0.2597	28	
ARSENIC	10	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	268	77.13184	197.5451	20671	10	1400	482	28.07158	61.3558	13531	1	200	0.05523	0.6778	59	
ARSENIC	10	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1705	42.152	171.4236	71869	10	3800	8200	120.7616	269.9694	990245	1	10000	-0.03276	0.2933	1031	
ARSENIC	10	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1705	42.152	171.4236	71869	10	3800	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1705	42.152	171.4236	71869	10	3800	776	194.384	563.7236	150842	7	10000	-0.32732	0.0449	38	*
ARSENIC	10	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	268	77.13184	197.5451	20671	10	1400	8200	120.7616	269.9694	990245	1	10000	-0.04279	0.7802	45	
ARSENIC	10	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	268	77.13184	197.5451	20671	10	1400	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	268	77.13184	197.5451	20671	10	1400	776	194.384	563.7236	150842	7	10000	-0.00744	0.9297	143	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1705	42.152	171.4236	71869	10	3800	6332	1.869	12.88026	11835	0.1	406	0.02364	0.5269	719	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1705	42.152	171.4236	71869	10	3800	627	3.52998	5.18639	2213.3	0.5	25	0.2147	0.081	67	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	268	77.13184	197.5451	20671	10	1400	6332	1.869	12.88026	11835	0.1	406	-0.14164	0.3591	44	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	268	77.13184	197.5451	20671	10	1400	627	3.52998	5.18639	2213.3	0.5	25	0.02566	0.827	75	
ARSENIC	10	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1705	42.152	171.4236	71869	10	3800	9321	7.570965	108.8909	70569	0.01	5675	0.02452	0.4196	1086	
ARSENIC	10	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1705	42.152	171.4236	71869	10	3800	1131	4.464633	6.25633	5049.5	1	100	0.0538	0.6421	77	
ARSENIC	10	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	268	77.13184	197.5451	20671	10	1400	9321	7.570965	108.8909	70569	0.01	5675	-0.11856	0.4379	45	
ARSENIC	10	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	268	77.13184	197.5451	20671	10	1400	1131	4.464633	6.25633	5049.5	1	100	-0.16633	0.0456	145	*
ARSENIC	10	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1705	42.152	171.4236	71869	10	3800	9790	9.877542	276.7559	96701	0.02	27300	0.19536	0.0001	1074	*
ARSENIC	10	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1705	42.152	171.4236	71869	10	3800	952	13.00315	41.66239	12379	1	630	0.04041	0.7343	73	
ARSENIC	10	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1705	42.152	171.4236	71869	10	3800	1274	13.5	43.20096	17199	1	1100	0.01843	0.8805	69	
ARSENIC	10	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	268	77.13184	197.5451	20671	10	1400	9790	9.877542	276.7559	96701	0.02	27300	0.25823	0.0547	56	
ARSENIC	10	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	268	77.13184	197.5451	20671	10	1400	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	268	77.13184	197.5451	20671	10	1400	1274	13.5	43.20096	17199	1	1100	0.01588	0.8451	154	
ARSENIC	10	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1705	42.152	171.4236	71869	10	3800	56711	1443.287	4687.848	81850239	1	249000	0.12198	0.0001	1633	*
ARSENIC	10	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	268	77.13184	197.5451	20671	10	1400	56711	1443.287	4687.848	81850239	1	249000	0.13548	0.0433	223	*
ARSENIC	10	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1705	42.152	171.4236	71869	10	3800	565	0.650733	3.513117	367.664	0.001	20	0.59616	0.0408	12	*
ARSENIC	10	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1705	42.152	171.4236	71869	10	3800	1396	1.095165	12.00667	1528.85	0.01	280	-0.04553	0.5973	137	
ARSENIC	10	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	268	77.13184	197.5451	20671	10	1400	565	0.650733	3.513117	367.664	0.001	20	-0.14535	0.3584	42	
ARSENIC	10	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	268	77.13184	197.5451	20671	10	1400	1396	1.095165	12.00667	1528.85	0.01	280	-0.22296	0.4244	15	
ARSENIC	10	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1705	42.152	171.4236	71869	10	3800	18561	2322.994	304.366	43117092	0.02	41465000	0.05371	0.2214	520	
ARSENIC	10	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	268	77.13184	197.5451	20671	10	1400	18561	2322.994	304.366	43117092	0.02	41465000	0.0551	0.5842	101	
ARSENIC	10	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	[illegible]	42.152	171.4236	71869	10	3800	21569	3.824813	7.578481	82497	0.1	545.4	-0.05976	[illegible]	840	
ARSENIC	10	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	[illegible]	13184	197.5451	20671	10	1400	21569	3.824813	7.578481	82497	0.1	545.4	-0.08779	[illegible]	65	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1705	42 152	171.4236	71869	10	3800	20725	1497 404	13499	31033701	6	319000	0 1188	0 0001	1412	*
ARSENIC	10	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	268	77 13184	197.5451	20671	10	1400	20725	1497 404	13499	31033701	6	319000	0 11562	0 4051	54	
ARSENIC	10	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1705	42 152	171.4236	71869	10	3800	25507	382 224	1096 769	9749388	1	28000	-0 00247	0 9208	1629	
ARSENIC	10	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	268	77 13184	197 5451	20671	10	1400	25507	382 224	1096 769	9749388	1	28000	-0 07333	0 5404	72	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1705	42 152	171.4236	71869	10	3800	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1705	42 152	171.4236	71869	10	3800	2327	12508	62820	29106465	10	960000	-0 04133	0 7322	71	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1705	42 152	171 4236	71869	10	3800	22424	2358 813	28780	52894030	0 1	2180000	-0 0107	0 6653	1636	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	1705	42.152	171 4236	71869	10	3800	195	55634	131042	10848720	0 01	864000	0 89433	0 0027	8	*
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	268	77 13184	197 5451	20671	10	1400	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	268	77.13184	197 5451	20671	10	1400	2327	12508	62820	29106465	10	960000	0 02233	0 7786	161	
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	268	77 13184	197 5451	20671	10	1400	22424	2358 813	28780	52894030	0 1	2180000	0 15285	0 2169	67	
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	268	77 13184	197 5451	20671	10	1400	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1705	42 152	171 4236	71869	10	3800	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1705	42 152	171 4236	71869	10	3800	1774	1132 239	6376 538	2008592	1	160000	0 21997	0 0673	70	
ARSENIC	10	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1705	42 152	171 4236	71869	10	3800	21991	1007.092	17620	22146953	0 01	1130000	-0 01517	0 5411	1625	
ARSENIC	10	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	268	77 13184	197 5451	20671	10	1400	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	268	77.13184	197 5451	20671	10	1400	1774	1132 239	6376 538	2008592	1	160000	-0 0146	0 8541	161	
ARSENIC	10	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	268	77 13184	197 5451	20671	10	1400	21991	1007.092	17620	22146953	0 01	1130000	-0.0406	0 7259	77	
ARSENIC	10	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1705	42 152	171 4236	71869	10	3800	3232	0.123963	0.198296	400 65	0 1	5 5	0 01456	0 755	462	
ARSENIC	10	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1705	42 152	171.4236	71869	10	3800	1030	0 296816	0.435845	305.72	0 01	4 5	-0 23066	0 6601	6	
ARSENIC	10	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	268	77 13184	197 5451	20671	10	1400	3232	0 123963	0 198296	400 65	0 1	5 5	-0 21777	0 3182	23	
ARSENIC	10	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	268	77.13184	197 5451	20671	10	1400	1030	0 296816	0 435845	305 72	0 01	4 5	-0.11899	0 163	139	
ARSENIC	10	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1705	42 152	171 4236	71869	10	3800	6399	50 13064	681.1727	320786	0 02	24600	-0 0189	0 6164	705	
ARSENIC	10	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1705	42 152	171.4236	71869	10	3800	818	21 85697	53.28237	17879	1	590	0 26083	0 0317	68	*
ARSENIC	10	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	268	77 13184	197 5451	20671	10	1400	6399	50.13064	681 1727	320786	0 02	24600	-0 09804	0 5266	44	
ARSENIC	10	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	268	77 13184	197 5451	20671	10	1400	818	21.85697	53 28237	17879	1	590	-0 0506	0 6642	76	
ARSENIC	10	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1705	42 152	171 4236	71869	10	3800	5663	8 003763	38 93465	45325	0 001	1600	-0 04259	0 4655	296	
ARSENIC	10	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	268	77.13184	197 5451	20671	10	1400	5663	8 003763	38.93465	45325	0 001	1600	-0 0595	0 5505	103	
ARSENIC	10	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1705	42 152	171.4236	71869	10	3800	23214	0.037058	0.289409	860 264897	0 001	25	0.04931	0 0635	1417	
ARSENIC	10	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1705	42.152	171 4236	71869	10	3800	835	0 031742	0 183455	26 504833	0 001	5	0 29734	0 2308	18	
ARSENIC	10	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	268	77 13184	197.5451	20671	10	1400	23214	0 037058	0 289409	860 264897	0 001	25	-0.10946	0 5251	36	
ARSENIC	10	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	268	77.13184	197 5451	20671	10	1400	835	0.031742	0 183455	26.504833	0 001	5	0 44841	0 0246	25	*
ARSENIC	10	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1705	42 152	171.4236	71869	10	3800	43861	7 122161	0 878663	312385	0 1	12 8	0 12874	0 0001	1625	*
ARSENIC	10	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	268	77.13184	197.5451	20671	10	1400	43861	7.122161	0.878663	312385	0 1	12 8	0 27748	0 0004	160	*
ARSENIC	10	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1705	42 152	171 4236	71869	10	3800	99	1 289899	3 734492	127 7	0.1	31	-0 07712	0 6117	12	
ARSENIC	10	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1705	42 152	171 4236	71869	10	3800	154	1.227987	1.930945	189.11	0 02	14	-0 21699	0 4562	14	
ARSENIC	10	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1705	42 152	171.4236	71869	10	3800	230	0 280176	0.551313	64.4405	0 009	6 14	-0.10895	0 6042	25	
ARSENIC	10	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	268	77 13184	197 5451	20671	10	1400	99	1.289899	3 734492	127.7	0.1	31	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	268	77.13184	197 5451	20671	10	1400	154	1.227987	1 930945	189.11	0 02	14	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	268	77 13184	197 5451	20671	10	1400	230	0 280176	0 551313	64 4405	0 009	6 14	#N/A	#N/A	0	
ARSENIC	10	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	1705	42.152	171 4236	71869	10	3800	4914	32 0677	18 5323	157581	7	250	0 01008	0 8683	273	
ARSENIC	10	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1705	42 152	171 4236	71869	10	3800	4995	1162 253	3158 094	5805454	7	82082	0 07261	0 2266	279	
ARSENIC	10	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	268	77.13184	197 5451	20671	10	1400	4914	32 0677	18 5323	157581	7	250	0 58143	0 605	3	
ARSENIC	10	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	268	77.13184	197 5451	20671	10	1400	4995	1162 253	3158 094	5805454	7	82082	-0 20156	0 7984	4	
ARSENIC	10	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1705	42 152	171.4236	71869	10	3800	7865	55 57754	657.8106	437117	1	27000	0 00028	0 9927	1052	
ARSENIC	10	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1705	42.152	171.4236	71869	10	3800	961	2 578564	3 089181	2478	1	31	-0 03656	0 7672	68	

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	268	77.13184	197.5451	20671	10	1400	7865	55.57754	657.8106	437117	1	27000	-0.31685	0.0464	40	*
ARSENIC	10	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	268	77.13184	197.5451	20671	10	1400	961	2.578584	3.089181	2478	1	31	-0.17091	0.0353	152	*
ARSENIC	10	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1705	42.152	171.4236	71869	10	3800	26730	231.201	990.9965	6180003	0.03	37000	0.11838	0.0001	1530	*
ARSENIC	10	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	268	77.13184	197.5451	20671	10	1400	26730	231.201	990.9965	6180003	0.03	37000	-0.08337	0.477	75	
ARSENIC	10	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1705	42.152	171.4236	71869	10	3800	848	9.369458	17.94903	7945.3	0.5	102	0.00856	0.9113	172	
ARSENIC	10	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1705	42.152	171.4236	71869	10	3800	350	4.434286	7.27558	1552	1	50	0.00037	0.9976	67	
ARSENIC	10	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	268	77.13184	197.5451	20671	10	1400	848	9.369458	17.94903	7945.3	0.5	102	-0.28203	0.2283	20	
ARSENIC	10	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	268	77.13184	197.5451	20671	10	1400	350	4.434286	7.27558	1552	1	50	-0.19096	0.1548	57	
ARSENIC	10	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	1705	42.152	171.4236	71869	10	3800	2359	23.36229	85.84469	55112	0.01	1000	0.12936	0.2067	97	
ARSENIC	10	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	268	77.13184	197.5451	20671	10	1400	2359	23.36229	85.84469	55112	0.01	1000	0.59043	0.0942	9	
ARSENIC	10	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1705	42.152	171.4236	71869	10	3800	141	56.54043	200.9786	7972.2	0.1	1300	0.34319	0.2748	12	
ARSENIC	10	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	268	77.13184	197.5451	20671	10	1400	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	1	
ARSENIC	10	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1705	42.152	171.4236	71869	10	3800	141	2844.557	18195	401083	0.1	210000	-0.04267	0.8952	12	
ARSENIC	10	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	268	77.13184	197.5451	20671	10	1400	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	1	
ARSENIC	10	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	1705	42.152	171.4236	71869	10	3800	105993	257.8247	364.157	27327615	0.5	7106	-0.06233	0.0217	1356	*
ARSENIC	10	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	268	77.13184	197.5451	20671	10	1400	105993	257.8247	364.157	27327615	0.5	7106	-0.04507	0.5642	166	
ARSENIC	20	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	885	68.26855	234.9818	60418	20	3800	2642	204.9232	148.8885	541407	3	4500	0.53958	0.0001	185	*
ARSENIC	20	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	187	104.9777	231.1587	19631	20	1400	2642	204.9232	148.8885	541407	3	4500	-0.10219	0.9348	3	
ARSENIC	20	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	885	68.26855	234.9818	60418	20	3800	2940	7.838537	29.93498	23045	1	200	0.05540	0.4494	188	
ARSENIC	20	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	885	68.26855	234.9818	60418	20	3800	482	28.07158	61.3558	13531	1	200	0.37312	0.1156	19	
ARSENIC	20	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	187	104.9777	231.1587	19631	20	1400	2940	7.838537	29.93498	23045	1	200	-0.24637	0.3405	17	
ARSENIC	20	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	187	104.9777	231.1587	19631	20	1400	482	28.07158	61.3558	13531	1	200	0.11153	0.4875	41	
ARSENIC	20	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	885	68.26855	234.9818	60418	20	3800	8200	120.7616	269.9694	990245	1	10000	-0.0568	0.1917	530	
ARSENIC	20	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	885	68.26855	234.9818	60418	20	3800	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	885	68.26855	234.9818	60418	20	3800	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	13	
ARSENIC	20	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	187	104.9777	231.1587	19631	20	1400	8200	120.7616	269.9694	990245	1	10000	-0.00178	0.9928	28	
ARSENIC	20	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	187	104.9777	231.1587	19631	20	1400	2	100	0	200	100	100	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	187	104.9777	231.1587	19631	20	1400	776	194.384	563.7236	150842	7	10000	-0.03218	0.7519	99	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	885	68.26855	234.9818	60418	20	3800	6332	1.869	12.88026	11835	0.1	406	0.01933	0.719	349	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	885	68.26855	234.9818	60418	20	3800	627	3.52998	5.18639	2213.3	0.5	25	-0.0669	0.7793	20	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	187	104.9777	231.1587	19631	20	1400	6332	1.869	12.88026	11835	0.1	406	-0.1262	0.5305	27	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	187	104.9777	231.1587	19631	20	1400	627	3.52998	5.18639	2213.3	0.5	25	-0.03697	0.7927	53	
ARSENIC	20	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	885	68.26855	234.9818	60418	20	3800	9321	7.570965	108.8909	70569	0.01	5675	0.01645	0.7143	498	
ARSENIC	20	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	885	68.26855	234.9818	60418	20	3800	1131	4.464633	6.25633	5049.5	1	100	-0.26488	0.2731	19	
ARSENIC	20	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	187	104.9777	231.1587	19631	20	1400	9321	7.570965	108.8909	70569	0.01	5675	-0.14203	0.4709	28	
ARSENIC	20	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	187	104.9777	231.1587	19631	20	1400	1131	4.464633	6.25633	5049.5	1	100	-0.27536	0.0045	105	*
ARSENIC	20	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	885	68.26855	234.9818	60418	20	3800	9790	9.877542	276.7559	96701	0.02	27300	0.19602	0.0001	493	*
ARSENIC	20	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	885	68.26855	234.9818	60418	20	3800	952	13.00315	41.66239	12379	1	630	0.03462	0.8173	47	
ARSENIC	20	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	885	68.26855	234.9818	60418	20	3800	1274	13.5	43.20096	17199	1	1100	0.35438	0.115	21	
ARSENIC	20	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	187	104.9777	231.1587	19631	20	1400	9790	9.877542	276.7559	96701	0.02	27300	0.24409	0.1343	39	
ARSENIC	20	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	187	104.9777	231.1587	19631	20	1400	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	187	104.9777	231.1587	19631	20	1400	1274	13.5	43.20096	17199	1	1100	-0.01849	0.8494	108	
ARSENIC	20	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	885	68.26855	234.9818	60418	20	3800	56711	1443.287	4687.848	81850239	1	249000	0.15241	0.0001	848	*
ARSENIC	20	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	187	104.9777	231.1587	19631	20	1400	56711	1443.287	4687.848	81850239	1	249000	0.1494	0.0618	157	
ARSENIC	20	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	885	68.26855	234.9818	60418	20	3800	565	0.650733	3.513117	367.664	0.001	20	0.67684	0.0949	7	
ARSENIC	20	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	[illegible]	26855	234.9818	60418	20	3800	1396	1.095165	12.00667	1528.85	0.01	280	-0.05539	[illegible]	48	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	187	104 9777	231 1587	19631	20	1400	565	0 650733	3 513117	367 664	0 001	20	-0 22522	0 2076	33	
ARSENIC	20	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	187	104 9777	231 1587	19631	20	1400	1396	1 095165	12 00667	1528 65	0 01	280	#N/A	#N/A	5	
ARSENIC	20	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	885	68 26855	234 9818	60418	20	3800	18561	2322 994	304366	43117092	0 02	41465000	0 04896	0 3981	300	
ARSENIC	20	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	187	104 9777	231 1587	19631	20	1400	18561	2322 994	304366	43117092	0 02	41465000	0 07896	0 0001	74	*
ARSENIC	20	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	885	68 26855	234 9818	60418	20	3800	21569	3 824813	7 578481	82497	0 1	545 4	-0 07287	0 1252	444	
ARSENIC	20	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	187	104 9777	231 1587	19631	20	1400	21569	3 824813	7 578481	82497	0 1	545 4	-0 09655	0 5233	46	
ARSENIC	20	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	885	68 26855	234 9818	60418	20	3800	20725	1497 404	13499	31033701	6	319000	0 14367	0 0001	747	*
ARSENIC	20	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	187	104 9777	231 1587	19631	20	1400	20725	1497 404	13499	31033701	6	319000	0 1085	0 5051	40	
ARSENIC	20	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	885	68 26855	234 9818	60418	20	3800	25507	382 224	1096 769	9749388	1	28000	-0 00294	0 9321	845	
ARSENIC	20	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	187	104 9777	231 1587	19631	20	1400	25507	382 224	1096 769	9749388	1	28000	-0 05682	0 6921	51	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	885	68 26855	234 9818	60418	20	3800	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	885	68 26855	234 9818	60418	20	3800	2327	12508	62820	29106465	10	960000	0 04503	0 8384	23	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	885	68 26855	234 9818	60418	20	3800	22424	2358 813	28780	52894030	0 1	2180000	-0 03802	0 2685	849	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	885	68 26855	234 9818	60418	20	3800	195	55634	131042	10848720	0 01	864000	0 94044	0 0052	6	*
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	187	104 9777	231 1587	19631	20	1400	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	187	104 9777	231 1587	19631	20	1400	2327	12508	62820	29106465	10	960000	-0 00966	0 918	116	
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	187	104 9777	231 1587	19631	20	1400	22424	2358 813	28780	52894030	0 1	2180000	0 29104	0 0425	49	*
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	187	104 9777	231 1587	19631	20	1400	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	885	68 26855	234 9818	60418	20	3800	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	885	68 26855	234 9818	60418	20	3800	1774	1132 239	6376 538	2008592	1	160000	0 47429	0 0257	22	*
ARSENIC	20	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	885	68 26855	234 9818	60418	20	3800	21991	1007 092	17620	22146953	0 01	1130000	-0 02636	0 4458	839	
ARSENIC	20	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	187	104 9777	231 1587	19631	20	1400	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	187	104 9777	231 1587	19631	20	1400	1774	1132 239	6376 538	2008592	1	160000	-0 01279	0 8916	116	
ARSENIC	20	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	187	104 9777	231 1587	19631	20	1400	21991	1007 092	17620	22146953	0 01	1130000	-0 01814	0 8964	54	
ARSENIC	20	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	885	68 26855	234 9818	60418	20	3800	3232	0 123963	0 198296	400 65	0 1	5 5	0 01677	0 7878	260	
ARSENIC	20	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	885	68 26855	234 9818	60418	20	3800	1030	0 296816	0 435845	305 72	0 01	4 5	0 69338	0 5122	3	
ARSENIC	20	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	187	104 9777	231 1587	19631	20	1400	3232	0 123963	0 198296	400 65	0 1	5 5	-0 23088	0 4479	13	
ARSENIC	20	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	187	104.9777	231 1587	19631	20	1400	1030	0 296816	0 435845	305 72	0 01	4 5	-0 24254	0 014	102	*
ARSENIC	20	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	885	68 26855	234 9818	60418	20	3800	6399	50 13064	681.1727	320788	0 02	24600	-0 02687	0 6225	338	
ARSENIC	20	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	885	68 26855	234 9818	60418	20	3800	818	21 85697	53 28237	17879	1	590	0 58734	0 0051	21	*
ARSENIC	20	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	187	104 9777	231 1587	19631	20	1400	6399	50 13064	681 1727	320788	0 02	24600	-0 12048	0 5494	27	
ARSENIC	20	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	187	104 9777	231 1587	19631	20	1400	818	21 85697	53 28237	17879	1	590	-0 11834	0 4034	52	
ARSENIC	20	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	885	68 26855	234 9818	60418	20	3800	5663	8 003763	38 93465	45325	0 001	1600	-0 05518	0 4696	174	
ARSENIC	20	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	187	104 9777	231 1587	19631	20	1400	5663	8 003763	38 93465	45325	0 001	1600	-0 05238	0 6466	79	
ARSENIC	20	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	885	68 26855	234 9818	60418	20	3800	23214	0 037058	0 289409	860 264897	0 001	25	0 0566	0 12	756	
ARSENIC	20	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	885	68 26855	234 9818	60418	20	3800	835	0 031742	0 183455	26 504833	0 001	5	0 43081	0 2139	10	
ARSENIC	20	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	187	104 9777	231 1587	19631	20	1400	23214	0 037058	0 289409	860 264897	0 001	25	0 01374	0 9458	27	
ARSENIC	20	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	187	104 9777	231 1587	19631	20	1400	835	0 031742	0 183455	26 504833	0 001	5	0 41317	0 1605	13	
ARSENIC	20	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	885	68 26855	234 9818	60418	20	3800	43861	7 122161	0 878663	312385	0 1	12 8	0 15979	0 0001	835	*
ARSENIC	20	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	187	104 9777	231 1587	19631	20	1400	43861	7.122161	0 878663	312385	0 1	12 8	0 35733	0 0001	118	*
ARSENIC	20	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	885	68 26855	234.9818	60418	20	3800	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	2	
ARSENIC	20	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	885	68 26855	234 9818	60418	20	3800	154	1 227987	1 930945	189 11	0 02	14	0 54737	0 4526	4	
ARSENIC	20	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	885	68 26855	234 9818	60418	20	3800	230	0 280176	0 551313	64 4405	0 009	6 14	0 51466	0 2962	6	
ARSENIC	20	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	187	104 9777	231 1587	19631	20	1400	99	1 289899	3 734492	127.7	0.1	31	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	187	104 9777	231.1587	19631	20	1400	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	187	104.9777	231 1587	19631	20	1400	230	0 280176	0.551313	64 4405	0 009	6.14	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	885	68 26855	234 9818	60418	20	3800	4914	32 0677	18 5323	157581	7	250	0 03698	0 6835	124	
ARSENIC	20	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	885	68 26855	234 9818	60418	20	3800	4995	1162 253	3158 094	5805454	7	82082	0 09081	0 308	128	
ARSENIC	20	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	187	104 9777	231 1587	19631	20	1400	4914	32 0677	18 5323	157581	7	250	0 58143	0 605	3	
ARSENIC	20	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	187	104 9777	231 1587	19631	20	1400	4995	1162 253	3158 094	5805454	7	82082	0 58392	0 603	3	
ARSENIC	20	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	885	68 26855	234 9818	60418	20	3800	7865	55 57754	657.8106	437117	1	27000	0 02	0 0491	520	
ARSENIC	20	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	885	68 26855	234 9818	60418	20	3800	961	2 578564	3 089181	2478	1	31	0 35794	0 1212	20	
ARSENIC	20	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	187	104 9777	231 1587	19631	20	1400	7865	55 57754	657.8106	437117	1	27000	-0 29622	0 1187	29	
ARSENIC	20	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	187	104 9777	231 1587	19631	20	1400	961	2 578564	3 089181	2478	1	31	-0 21646	0 0244	108	*
ARSENIC	20	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	885	68 26855	234 9818	60418	20	3800	26730	231 201	990 9965	6180003	0 03	37000	0 14367	0 0001	822	*
ARSENIC	20	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	187	104 9777	231 1587	19631	20	1400	26730	231 201	990 9965	6180003	0 03	37000	-0 07546	0 5987	51	
ARSENIC	20	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	885	68 26855	234 9818	60418	20	3800	848	9.369458	17.94903	7945 3	0 5	102	-0 04452	0 7185	68	
ARSENIC	20	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	885	68 26855	234 9818	60418	20	3800	350	4 434286	7 27558	1552	1	50	0 11921	0 6167	20	
ARSENIC	20	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	187	104 9777	231 1587	19631	20	1400	848	9.369458	17 94903	7945 3	0 5	102	-0 39853	0 254	10	
ARSENIC	20	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	187	104.9777	231 1587	19631	20	1400	350	4 434286	7 27558	1552	1	50	0 0862	0 5969	40	
ARSENIC	20	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	885	68 26855	234 9818	60418	20	3800	2359	23 36229	85 84469	55112	0 01	1000	0 05626	0 7104	46	
ARSENIC	20	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	187	104 9777	231 1587	19631	20	1400	2359	23 36229	85 84469	55112	0 01	1000	0 99199	0 008	4	*
ARSENIC	20	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	885	68 26855	234 9818	60418	20	3800	141	56.54043	200 9786	7972 2	0 1	1300	0 15561	0 8027	5	
ARSENIC	20	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	187	104 9777	231 1587	19631	20	1400	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	1	
ARSENIC	20	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	885	68 26855	234 9818	60418	20	3800	141	2844 557	18195	401083	0 1	210000	-0 15534	0 803	5	
ARSENIC	20	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	187	104 9777	231 1587	19631	20	1400	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	1	
ARSENIC	20	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	885	68 26855	234 9818	60418	20	3800	105993	257.8247	364 157	27327615	0 5	7106	-0 08339	0 027	703	*
ARSENIC	20	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	187	104 9777	231 1587	19631	20	1400	105993	257.8247	364.157	27327615	0 5	7106	-0 04982	0 5922	118	
BARIUM	0	ALKALINITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	8200	120 7616	269 9694	990245	1	10000	2642	204 9232	148 8865	541407	3	4500	0 12493	0 0001	1430	*
BARIUM	0	ALKALINITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	100	0	200	100	100	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	776	194 384	563 7236	150842	7	10000	2642	204 9232	148 8865	541407	3	4500	-0 11676	0 6832	4	
BARIUM	0	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	8200	120 7616	269 9694	990245	1	10000	6332	1.869	12 88026	11835	0 1	406	-0 01514	0 2345	6172	
BARIUM	0	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	8200	120 7616	269 9694	990245	1	10000	627	3 52998	5 18639	2213 3	0 5	25	-0 03254	0 598	265	
BARIUM	0	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2	100	0	200	100	100	6332	1.869	12 88026	11835	0 1	406	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2	100	0	200	100	100	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	776	194.384	563 7236	150842	7	10000	6332	1.869	12 88026	11835	0 1	406	-0 03209	0 6399	215	
BARIUM	0	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	776	194 384	563 7236	150842	7	10000	627	3 52998	5 18639	2213 3	0 5	25	0 03743	0 4498	410	
BARIUM	0	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	8200	120 7616	269 9694	990245	1	10000	9321	7.570965	108 8909	70569	0 01	5675	-0 00491	0 6874	6732	
BARIUM	0	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	8200	120 7616	269.9694	990245	1	10000	1131	4 464633	6 25633	5049 5	1	100	-0 01429	0 7755	401	
BARIUM	0	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2	100	0	200	100	100	9321	7 570965	108 8909	70569	0 01	5675	#N/A	#N/A	0	
BARIUM	0	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2	100	0	200	100	100	1131	4.464633	6 25633	5049.5	1	100	#N/A	#N/A	2	
BARIUM	0	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	776	194 384	563 7236	150842	7	10000	9321	7 570965	108 8909	70569	0 01	5675	-0 026	0 7211	191	
BARIUM	0	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	776	194 384	563 7236	150842	7	10000	1131	4 464633	6 25633	5049 5	1	100	0 04841	0 1992	705	
BARIUM	0	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	8200	120 7616	269 9694	990245	1	10000	9790	9 877542	276 7559	96701	0 02	27300	-0 02248	0 0699	6503	
BARIUM	0	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	8200	120 7616	269 9694	990245	1	10000	952	13 00315	41 66239	12379	1	630	-0 06395	0 2517	323	
BARIUM	0	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	8200	120 7616	269 9694	990245	1	10000	1274	13 5	43 20096	17199	1	1100	0 07326	0 1456	396	
BARIUM	0	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2	100	0	200	100	100	9790	9 877542	276 7559	96701	0 02	27300	#N/A	#N/A	2	
BARIUM	0	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2	100	0	200	100	100	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2	100	0	200	100	100	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	2	
BARIUM	0	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	776	194.384	563.7236	150842	7	10000	9790	9.877542	276 7559	96701	0 02	27300	-0 05402	0 4412	201	
BARIUM	0	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	[illegible]	194 384	563.7236	150842	7	10000	952	13 00315	41 66239	12379	1	630	#N/A	[illegible]	16	
BARIUM	0	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	[illegible]	194.384	563.7236	150842	7	10000	1274	13 5	43 20096	17199	1	1100	0 23615	[illegible]	745	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	CONDUCTANCE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	8200	120.7616	269.9694	990245	1	10000	56711	1443.287	4687.848	81850239	1	249000	0.06326	0.0001	7736	*
BARIUM	0	CONDUCTANCE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	100	0	200	100	100	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	2	
BARIUM	0	CONDUCTANCE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	776	194.384	563.7236	150842	7	10000	56711	1443.287	4687.848	81850239	1	249000	0.36254	0.0001	517	*
BARIUM	0	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	8200	120.7616	269.9694	990245	1	10000	565	0.650733	3.513117	367.664	0.001	20	-0.42504	0.0001	170	*
BARIUM	0	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	8200	120.7616	269.9694	990245	1	10000	1396	1.095165	12.00667	1528.85	0.01	280	0.01232	0.8014	419	
BARIUM	0	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2	100	0	200	100	100	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2	100	0	200	100	100	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	776	194.384	563.7236	150842	7	10000	565	0.650733	3.513117	367.664	0.001	20	0.07688	0.161	334	
BARIUM	0	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	776	194.384	563.7236	150842	7	10000	1396	1.095165	12.00667	1528.85	0.01	280	-0.04914	0.7021	63	
BARIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	8200	120.7616	269.9694	990245	1	10000	18561	2322.994	304366	43117092	0.02	41465000	-0.00795	0.6767	2751	
BARIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	100	0	200	100	100	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	776	194.384	563.7236	150842	7	10000	18561	2322.994	304366	43117092	0.02	41465000	-0.00761	0.9078	234	
BARIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	8200	120.7616	269.9694	990245	1	10000	21569	3.824813	7.578481	82497	0.1	545.4	-0.07178	0.0001	5072	*
BARIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	100	0	200	100	100	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	1	
BARIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	776	194.384	563.7236	150842	7	10000	21569	3.824813	7.578481	82497	0.1	545.4	-0.1493	0.0223	234	*
BARIUM	0	DISSOLVED-SOLID	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	8200	120.7616	269.9694	990245	1	10000	20725	1497.404	13499	31033701	6	319000	0.01415	0.2551	6474	
BARIUM	0	DISSOLVED-SOLID	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	100	0	200	100	100	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	2	
BARIUM	0	DISSOLVED-SOLID	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	776	194.384	563.7236	150842	7	10000	20725	1497.404	13499	31033701	6	319000	-0.01727	0.815	186	
BARIUM	0	HARDNESS	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	8200	120.7616	269.9694	990245	1	10000	25507	382.224	1096.769	9749388	1	28000	0.05025	0.0001	7744	*
BARIUM	0	HARDNESS	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	100	0	200	100	100	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	2	
BARIUM	0	HARDNESS	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	776	194.384	563.7236	150842	7	10000	25507	382.224	1096.769	9749388	1	28000	-0.00395	0.9526	229	
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	8200	120.7616	269.9694	990245	1	10000	2	620	678.8225	1240	140	1100	1	#N/A	2	
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	8200	120.7616	269.9694	990245	1	10000	2327	12508	62820	29106465	10	960000	-0.13144	0.0013	599	*
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	8200	120.7616	269.9694	990245	1	10000	22424	2358.813	28780	52894030	0.1	2180000	0.02671	0.0189	7720	*
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	8200	120.7616	269.9694	990245	1	10000	195	55634	131042	10848720	0.01	864000	-0.32661	0.0011	97	*
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2	100	0	200	100	100	2	620	678.8225	1240	140	1100	#N/A	#N/A	2	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2	100	0	200	100	100	2327	12508	62820	29106465	10	960000	#N/A	#N/A	2	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2	100	0	200	100	100	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	2	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	2	100	0	200	100	100	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	776	194.384	563.7236	150842	7	10000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	776	194.384	563.7236	150842	7	10000	2327	12508	62820	29106465	10	960000	0.23223	0.0001	762	*
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	776	194.384	563.7236	150842	7	10000	22424	2358.813	28780	52894030	0.1	2180000	-0.00905	0.9133	147	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	776	194.384	563.7236	150842	7	10000	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	8200	120.7616	269.9694	990245	1	10000	7	9.28571	20.16362	65	1	55	0.9557	0.0008	7	*
BARIUM	0	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	8200	120.7616	269.9694	990245	1	10000	1774	1132.239	6376.538	2008592	1	160000	-0.09738	0.022	553	*
BARIUM	0	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	8200	120.7616	269.9694	990245	1	10000	21991	1007.092	17620	22146953	0.01	1130000	-0.01232	0.2754	7842	
BARIUM	0	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	100	0	200	100	100	7	9.28571	20.16362	65	1	55	#N/A	#N/A	2	
BARIUM	0	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	100	0	200	100	100	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	2	
BARIUM	0	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	100	0	200	100	100	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	2	
BARIUM	0	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	776	194.384	563.7236	150842	7	10000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	776	194.384	563.7236	150842	7	10000	1774	1132.239	6376.538	2008592	1	160000	0.02387	0.5083	770	
BARIUM	0	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	776	194.384	563.7236	150842	7	10000	21991	1007.092	17620	22146953	0.01	1130000	-0.00227	0.9736	215	
BARIUM	0	MERCURY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	8200	120.7616	269.9694	990245	1	10000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.03119	0.1267	2399	
BARIUM	0	MERCURY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	8200	120.7616	269.9694	990245	1	10000	1030	0.296816	0.435845	305.72	0.01	4.5	0.32624	0.0001	221	*
BARIUM	0	MERCURY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	100	0	200	100	100	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
BARIUM	0	MERCURY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	100	0	200	100	100	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	2	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	MERCURY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	776	194 384	563 7236	150842	7	10000	3232	0.123963	0 198296	400 65	0 1	5 5	0 07582	0 4628	96	
BARIUM	0	MERCURY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	776	194 384	563 7236	150842	7	10000	1030	0 296816	0 435845	305.72	0 01	4 5	0 09282	0 0169	662	*
BARIUM	0	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	8200	120 7616	269 9694	990245	1	10000	6399	50 13064	681.1727	320786	0 02	24600	-0 01746	0 1701	6177	
BARIUM	0	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	8200	120.7616	269 9694	990245	1	10000	818	21.85697	53 28237	17879	1	590	-0 07743	0 1637	325	
BARIUM	0	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2	100	0	200	100	100	6399	50 13064	681.1727	320786	0 02	24600	#N/A	#N/A	2	
BARIUM	0	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	100	0	200	100	100	818	21.85697	53 28237	17879	1	590	#N/A	#N/A	2	
BARIUM	0	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	776	194 384	563 7236	150842	7	10000	6399	50 13064	681.1727	320786	0 02	24600	0 01811	0 8125	174	
BARIUM	0	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	776	194 384	563 7236	150842	7	10000	818	21 85697	53 28237	17879	1	590	0 05964	0 2007	462	
BARIUM	*0*	*NITRITE*	*GROUND WATER*	*P01005*	*BARIUM-DISSOLVED-P01005-(UG/L AS BA)*	*P00613*	*NITROGEN-NITRITE-P00613-(MG/L AS N)*	*8200*	*120 7616*	*269 9694*	*990245*	*1*	*10000*	*23214*	*0 037058*	*0 289409*	*860 264897*	*0 001*	*25*	*-0 01162*	*0 3577*	*6057*	
BARIUM	0	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	8200	120 7616	269.9694	990245	1	10000	835	0 031742	0 183455	26 504833	0 001	5	-0 06259	0 2992	277	
BARIUM	0	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2	100	0	200	100	100	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2	100	0	200	100	100	835	0.031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	776	194 384	563 7236	150842	7	10000	23214	0 037058	0 289409	860 264897	0 001	25	0 03951	0 4587	354	
BARIUM	0	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	776	194.384	563 7236	150842	7	10000	835	0 031742	0 183455	26 504833	0 001	5	0 13312	0 1281	132	
BARIUM	0	PH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	8200	120 7616	269 9694	990245	1	10000	43861	7 122161	0 878663	312385	0 1	12 8	-0 01813	0 1111	7727	
BARIUM	0	PH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	100	0	200	100	100	43861	7 122161	0 878663	312385	0 1	12 8	#N/A	#N/A	2	
BARIUM	0	PH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	776	194 384	563 7236	150842	7	10000	43861	7.122161	0 878663	312385	0 1	12 8	-0 04528	0 2332	695	
BARIUM	0	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	8200	120.7616	269 9694	990245	1	10000	7885	55 57754	657 8106	437117	1	27000	-0 04834	0 0008	4844	*
BARIUM	0	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	8200	120 7616	269 9694	990245	1	10000	961	2 578564	3 089181	2478	1	31	0 05232	0 3471	325	
BARIUM	0	SELENIUM	GROUND WATER	P01006	*BARIUM-SUSPENDED-P01006-(UG/L AS BA)*	P01145	*SELENIUM-DISSOLVED-P01145-(UG/L AS SE)*	2	100	0	200	100	100	7885	55 57754	657 8106	437117	1	27000	#N/A	#N/A	0	
BARIUM	0	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	100	0	200	100	100	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	2	
BARIUM	0	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	776	194 384	563.7236	150842	7	10000	7885	55 57754	657 8106	437117	1	27000	-0 08541	0 302	148	
BARIUM	0	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	776	194 384	563 7236	150842	7	10000	961	.2 578564	3 089181	2478	1	31	0 00907	0 8107	700	
BARIUM	0	THALLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	8200	120 7616	269 9694	990245	1	10000	848	9 369458	17 94903	7945 3	0 5	102	-0 03341	0 3991	839	
BARIUM	0	THALLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	8200	120 7616	269 9694	990245	1	10000	350	4 434286	7 27558	1552	1	50	0 09687	0 1354	239	
BARIUM	0	THALLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	100	0	200	100	100	848	9 369458	17.94903	7945 3	0 5	102	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	100	0	200	100	100	350	4 434286	7.27558	1552	1	50	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	776	194 384	563 7236	150842	7	10000	848	9 369458	17 94903	7945 3	0 5	102	0 00259	0 9716	191	
BARIUM	0	THALLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	776	194 384	563 7236	150842	7	10000	350	4.434286	7 27558	1552	1	50	0 06708	0 31	231	
BARIUM	0	TURBIDITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	8200	120 7616	269 9694	990245	1	10000	2359	23 36229	85 84469	55112	0 01	1000	-0 03446	0 2021	1372	
BARIUM	0	TURBIDITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	2	100	0	200	100	100	2359	23 36229	85 84469	55112	0.01	1000	#N/A	#N/A	2	
BARIUM	0	TURBIDITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	776	194 384	563 7236	150842	7	10000	2359	23 36229	85 84469	55112	0 01	1000	-0 09713	0 5250	45	
BARIUM	0	WELL-DEPTH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	8200	120.7616	269 9694	990245	1	10000	105993	257.8247	364 157	27327615	0 5	7106	-0 04864	0 0001	6542	*
BARIUM	0	WELL-DEPTH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	2	100	0	200	100	100	105993	257 8247	364.157	27327615	0 5	7106	#N/A	#N/A	1	
BARIUM	0	WELL-DEPTH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	776	194 384	563 7236	150842	7	10000	105993	257.8247	364.157	27327615	0 5	7106	-0 01241	0 7514	654	
BARIUM	2000	ALKALINITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	17	3717.059	2433 978	63190	2000	10000	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	1	
BARIUM	2000	ALKALINITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
BARIUM	2000	ALKALINITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10	4225	2489 004	42250	2100	10000	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	17	3717.059	2433 978	63190	2000	10000	2940	7.638537	29 93498	23045	1	200	#N/A	#N/A	1	
BARIUM	2000	ANTIMONY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	17	3717.059	2433 978	63190	2000	10000	482	28 07158	61 3558	13531	1	200	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7.638537	29 93498	23045	1	200	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	10	4225	2489 004	42250	2100	10000	2940	7 638537	29 93498	23045	1	200	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	10	4225	2489 004	42250	2100	10000	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	17	3717.059	2433.978	63190	2000	10000	9943	9 090013	72 56837	90382	1	3800	0 7503	0.144	5	
BARIUM	2000	ARSENIC	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	[illegible]	7.059	2433 978	63190	2000	10000	1294	17.47882	94 81877	22617	1	1400	#N/A	[illegible]	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	ARSENIC	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	10	4225	2489.004	42250	2100	10000	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	10	4225	2489.004	42250	2100	10000	1294	17.47862	94.81877	22617	1	1400	-0.0312	0.9365	9	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	17	3717.059	2433.978	63190	2000	10000	6332	1.869	12.88026	11835	0.1	406	0.82343	0.0867	5	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	17	3717.059	2433.978	63190	2000	10000	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	10	4225	2489.004	42250	2100	10000	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	10	4225	2489.004	42250	2100	10000	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	1	
BARIUM	2000	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	17	3717.059	2433.978	63190	2000	10000	9321	7.570965	108.8909	70569	0.01	5675	0.12423	0.8146	6	
BARIUM	2000	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	17	3717.059	2433.978	63190	2000	10000	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	1	
BARIUM	2000	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	10	4225	2489.004	42250	2100	10000	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	10	4225	2489.004	42250	2100	10000	1131	4.464633	6.25633	5049.5	1	100	-0.60333	0.5877	3	
BARIUM	2000	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	17	3717.059	2433.978	63190	2000	10000	9790	9.877542	276.7559	96701	0.02	27300	0.1908	0.7173	6	
BARIUM	2000	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	17	3717.059	2433.978	63190	2000	10000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	17	3717.059	2433.978	63190	2000	10000	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	10	4225	2489.004	42250	2100	10000	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	10	4225	2489.004	42250	2100	10000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	10	4225	2489.004	42250	2100	10000	1274	13.5	43.20096	17199	1	1100	-0.12771	0.7251	10	
BARIUM	2000	CONDUCTANCE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	17	3717.059	2433.978	63190	2000	10000	56711	1443.287	4687.848	81850239	1	249000	0.56687	0.022	16	*
BARIUM	2000	CONDUCTANCE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10	4225	2489.004	42250	2100	10000	56711	1443.287	4687.848	81850239	1	249000	0.10101	0.8119	8	
BARIUM	2000	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	17	3717.059	2433.978	63190	2000	10000	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	17	3717.059	2433.978	63190	2000	10000	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	10	4225	2489.004	42250	2100	10000	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	1	
BARIUM	2000	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	10	4225	2489.004	42250	2100	10000	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	17	3717.059	2433.978	63190	2000	10000	18561	2322.994	304366	43117092	0.02	41465000	0.95507	0.1916	3	
BARIUM	2000	DEPTH-BELOW-LAN	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	10	4225	2489.004	42250	2100	10000	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	1	
BARIUM	2000	DISSOLVED-OXYGE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	17	3717.059	2433.978	63190	2000	10000	21569	3.824813	7.578481	82497	0.1	545.4	-0.33349	0.5834	5	
BARIUM	2000	DISSOLVED-OXYGE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	10	4225	2489.004	42250	2100	10000	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	17	3717.059	2433.978	63190	2000	10000	20725	1497.404	13499	31033701	6	319000	-0.04045	0.9177	9	
BARIUM	2000	DISSOLVED-SOLID	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10	4225	2489.004	42250	2100	10000	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	17	3717.059	2433.978	63190	2000	10000	25507	382.224	1096.769	9749388	1	28000	0.47	0.1051	13	
BARIUM	2000	HARDNESS	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10	4225	2489.004	42250	2100	10000	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	17	3717 059	2433 978	63190	2000	10000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	17	3717 059	2433 978	63190	2000	10000	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	17	3717 059	2433 978	63190	2000	10000	22424	2358 813	28780	52894030	0 1	2180000	0 72249	0 0053	13	*
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	17	3717.059	2433 978	63190	2000	10000	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	22424	2358 813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	10	4225	2489 004	42250	2100	10000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	10	4225	2489 004	42250	2100	10000	2327	12508	62820	29106465	10	960000	-0 1414	0 6968	10	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	10	4225	2489 004	42250	2100	10000	22424	2358 813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	10	4225	2489 004	42250	2100	10000	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	17	3717 059	2433 978	63190	2000	10000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	17	3717 059	2433 978	63190	2000	10000	1774	1132 239	6376 538	2008592	1	160000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	17	3717 059	2433 978	63190	2000	10000	21991	1007.092	17620	22146953	0 01	1130000	0 54316	0 0551	13	
BARIUM	2000	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132 239	6376 538	2008592	1	160000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0 01	1130000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	10	4225	2489 004	42250	2100	10000	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	10	4225	2489 004	42250	2100	10000	1774	1132 239	6376 538	2008592	1	160000	-0 29451	0 4088	10	
BARIUM	2000	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	10	4225	2489 004	42250	2100	10000	21991	1007 092	17620	22146953	0 01	1130000	#N/A	#N/A	0	
BARIUM	2000	MERCURY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	17	3717 059	2433 978	63190	2000	10000	3232	0.123963	0.198296	400 65	0 1	5 5	#N/A	#N/A	1	
BARIUM	2000	MERCURY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	17	3717 059	2433 978	63190	2000	10000	1030	0 296818	0.435845	305.72	0 01	4.5	#N/A	#N/A	0	
BARIUM	2000	MERCURY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0 123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
BARIUM	2000	MERCURY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0 296818	0.435845	305 72	0 01	4 5	#N/A	#N/A	0	
BARIUM	2000	MERCURY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	10	4225	2489 004	42250	2100	10000	3232	0 123963	0.198296	400 65	0 1	5 5	#N/A	#N/A	0	
BARIUM	2000	MERCURY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	10	4225	2489 004	42250	2100	10000	1030	0 296818	0.435845	305 72	0 01	4 5	-0 99231	0 079	3	
BARIUM	2000	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	17	3717 059	2433 978	63190	2000	10000	6399	50 13064	681 1727	320786	0 02	24600	0 43698	0 3863	6	
BARIUM	2000	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	17	3717.059	2433 978	63190	2000	10000	818	21.85697	53 28237	17879	1	590	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0 02	24600	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53 28237	17879	1	590	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	10	4225	2489 004	42250	2100	10000	6399	50 13064	681 1727	320786	0 02	24600	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	10	4225	2489 004	42250	2100	10000	818	21 85697	53 28237	17879	1	590	0 86425	0 0056	8	*
BARIUM	2000	NITRATE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	17	3717 059	2433 978	63190	2000	10000	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	0	
BARIUM	2000	NITRATE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	0	
BARIUM	2000	NITRATE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	10	4225	2489 004	42250	2100	10000	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	1	
BARIUM	2000	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	17	3717 059	2433 978	63190	2000	10000	23214	0 037058	0 289409	860 264897	0 001	25	0 96513	0 0349	4	*
BARIUM	2000	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	17	3717 059	2433 978	63190	2000	10000	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	10	4225	2489 004	42250	2100	10000	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	1	
BARIUM	2000	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	10	4225	2489 004	42250	2100	10000	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
BARIUM	2000	PH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	17	3717 059	2433 978	63190	2000	10000	43861	7.122161	0 878663	312385	0 1	12 8	0 32461	0 3033	12	
BARIUM	2000	PH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7 122161	0 878663	312385	0 1	12 8	#N/A	#N/A	0	
BARIUM	2000	PH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10	4225	2489.004	42250	2100	10000	43861	7.122161	0 878663	312385	0 1	12 8	0 05108	0.8962	9	
BARIUM	2000	RADIUM-226	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	[illegible]	17.059	2433 978	63190	2000	10000	99	1 289899	3 734492	127.7	0.1	31	#N/A	[illegible]	0	

Appendix E-threshold National correlation analysis Correlat[illegible]ients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	RADIUM-226	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	17	3717 059	2433 978	63190	2000	10000	154	1 227987	1 930945	189 11	0.02	14	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	17	3717.059	2433 978	63190	2000	10000	230	0 280176	0 551313	64.4405	0 009	6 14	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1 289899	3.734492	127.7	0 1	31	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1 227987	1 930945	189.11	0 02	14	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0 551313	64.4405	0 009	6 14	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	10	4225	2489 004	42250	2100	10000	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	10	4225	2489 004	42250	2100	10000	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	10	4225	2489 004	42250	2100	10000	230	0 280176	0 551313	64 4405	0 009	6 14	#N/A	#N/A	0	
BARIUM	2000	RADON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	17	3717 059	2433 978	63190	2000	10000	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
BARIUM	2000	RADON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	17	3717 059	2433 978	63190	2000	10000	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
BARIUM	2000	RADON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
BARIUM	2000	RADON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4995	1162 253	3158.094	5805454	7	82082	#N/A	#N/A	0	
BARIUM	2000	RADON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	10	4225	2489 004	42250	2100	10000	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
BARIUM	2000	RADON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	10	4225	2489 004	42250	2100	10000	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	17	3717 059	2433 978	63190	2000	10000	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	3	
BARIUM	2000	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	17	3717 059	2433 978	63190	2000	10000	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7865	55 57754	657.8106	437117	1	27000	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	961	2.578564	3 089181	2478	1	31	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10	4225	2489 004	42250	2100	10000	7865	55 57754	657.8106	437117	1	27000	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10	4225	2489 004	42250	2100	10000	961	2 578564	3 089181	2478	1	31	-0 21274	0 5826	9	
BARIUM	2000	SULFATE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	17	3717 059	2433 978	63190	2000	10000	26730	231.201	990 9965	6180003	0 03	37000	-0 31794	0 3139	12	
BARIUM	2000	SULFATE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231 201	990 9965	6180003	0 03	37000	#N/A	#N/A	0	
BARIUM	2000	SULFATE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	10	4225	2489 004	42250	2100	10000	26730	231 201	990.9965	6180003	0 03	37000	-1	#N/A	2	
BARIUM	2000	THALLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	17	3717 059	2433 978	63190	2000	10000	848	9 369458	17.94903	7945.3	0 5	102	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	17	3717 059	2433.978	63190	2000	10000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4 434286	7.27558	1552	1	50	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10	4225	2489 004	42250	2100	10000	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10	4225	2489.004	42250	2100	10000	350	4.434286	7 27558	1552	1	50	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	17	3717 059	2433 978	63190	2000	10000	2359	23 36229	85 84469	55112	0.01	1000	#N/A	#N/A	1	
BARIUM	2000	TURBIDITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	10	4225	2489 004	42250	2100	10000	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
BARIUM	2000	URANIUM-235	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	17	3717.059	2433 978	63190	2000	10000	141	56.54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
BARIUM	2000	URANIUM-235	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
BARIUM	2000	URANIUM-235	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	10	4225	2489 004	42250	2100	10000	141	56 54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
BARIUM	2000	URANIUM-238	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	17	3717 059	2433 978	63190	2000	10000	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
BARIUM	2000	URANIUM-238	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
BARIUM	2000	URANIUM-238	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	10	4225	2489 004	42250	2100	10000	141	2844.557	18195	401083	0 1	210000	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	17	3717 059	2433 978	63190	2000	10000	105993	257.8247	364 157	27327615	0 5	7106	0 54599	0 0434	14	*
BARIUM	2000	WELL-DEPTH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257.8247	364 157	27327615	0 5	7106	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	10	4225	2489 004	42250	2100	10000	105993	257 8247	364 157	27327615	0 5	7106	0 61485	0 0041	10	*
BERYLLIUM	0	ALKALINITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	6332	1.869	12.88026	11835	0 1	406	2642	204 9232	148 8865	541407	3	4500	0 02566	0 4702	794	
BERYLLIUM	0	ALKALINITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	627	3 52998	5 18639	2213 3	0.5	25	2642	204 9232	148 8865	541407	3	4500	-0.16533	0 526	17	
BERYLLIUM	0	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	6332	1.869	12 88026	11835	0 1	406	9321	7.57097	108 8909	70569	0 01	5675	0.12695	0 0001	6266	*
BERYLLIUM	0	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	6332	1.869	12 88026	11835	0 1	406	1131	4 46463	6 25633	5049 5	1	100	0 28533	0 0001	386	*
BERYLLIUM	0	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	627	3 52998	5.18639	2213 3	0 5	25	9321	7.57097	108 8909	70569	0 01	5675	0 0009	0 9885	258	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRE6	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	627	3.52998	5.18639	2213.3	0.5	25	1131	4.46463	6.25633	5049.5	1	100	0.02989	0.4839	551	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	6332	1.869	12.88026	11835	0.1	406	9790	9.87754	276.7559	96701	0.02	27300	0.76692	0.0001	5981	*
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	6332	1.869	12.88026	11835	0.1	406	952	13.00315	41.66239	12379	1	630	0.05371	0.5316	138	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	6332	1.869	12.88026	11835	0.1	406	1274	13.5	43.20096	17199	1	1100	0.21923	0.0001	383	*
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	627	3.52998	5.18639	2213.3	0.5	25	9790	9.87754	276.7559	96701	0.02	27300	0.02878	0.6403	266	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	627	3.52998	5.18639	2213.3	0.5	25	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	12	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	627	3.52998	5.18639	2213.3	0.5	25	1274	13.5	43.20096	17199	1	1100	0.37129	0.0001	571	*
BERYLLIUM	0	CONDUCTANCE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	6332	1.869	12.88026	11835	0.1	406	56711	1443.287	4687.848	81850239	1	249000	0.25383	0.0001	5963	*
BERYLLIUM	0	CONDUCTANCE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	627	3.52998	5.18639	2213.3	0.5	25	56711	1443.287	4687.848	81850239	1	249000	-0.09328	0.0272	561	*
BERYLLIUM	0	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	6332	1.869	12.88026	11835	0.1	406	585	0.65073	3.51312	387.664	0.001	20	-0.71091	0.0001	118	*
BERYLLIUM	0	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	6332	1.869	12.88026	11835	0.1	406	1396	1.09516	12.00667	1528.85	0.01	280	-0.07055	0.1529	412	
BERYLLIUM	0	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	627	3.52998	5.18639	2213.3	0.5	25	585	0.65073	3.51312	387.664	0.001	20	0.89139	0.0001	320	*
BERYLLIUM	0	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	627	3.52998	5.18639	2213.3	0.5	25	1396	1.09516	12.00667	1528.85	0.01	280	0.005	0.969	63	
BERYLLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	6332	1.869	12.88026	11835	0.1	406	18561	2322.994	304366	43117092	0.02	41465000	-0.00396	0.8551	2123	
BERYLLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	627	3.52998	5.18639	2213.3	0.5	25	18561	2322.994	304366	43117092	0.02	41465000	0.06287	0.349	224	
BERYLLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	6332	1.869	12.88026	11835	0.1	406	21569	3.82481	7.57848	82497	0.1	545.4	0.00425	0.7797	4339	
BERYLLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	627	3.52998	5.18639	2213.3	0.5	25	21569	3.82481	7.57848	82497	0.1	545.4	-0.00791	0.8973	269	
BERYLLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	6332	1.869	12.88026	11835	0.1	406	20725	1497.404	13499	31033701	6	319000	0.322	0.0001	4922	*
BERYLLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	627	3.52998	5.18639	2213.3	0.5	25	20725	1497.404	13499	31033701	6	319000	-0.02984	0.5879	332	
BERYLLIUM	0	HARDNESS	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	6332	1.869	12.88026	11835	0.1	406	25507	382.224	1096.769	9749388	1	28000	0.4158	0.0001	6025	*
BERYLLIUM	0	HARDNESS	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	627	3.52998	5.18639	2213.3	0.5	25	25507	382.224	1096.769	9749388	1	28000	-0.0995	0.047	399	*
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	6332	1.869	12.88026	11835	0.1	406	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	6332	1.869	12.88026	11835	0.1	406	2327	12508	62820	29106465	10	960000	0.51039	0.0001	515	*
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	6332	1.869	12.88026	11835	0.1	406	22424	2358.813	28780	52894030	0.1	2180000	0.56734	0.0001	6041	*
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	6332	1.869	12.88026	11835	0.1	406	195	55634	131042	10848720	0.01	864000	0.73288	0.0001	75	*
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	627	3.52998	5.18639	2213.3	0.5	25	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	627	3.52998	5.18639	2213.3	0.5	25	2327	12508	62820	29106465	10	960000	0.38109	0.0001	529	*
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	627	3.52998	5.18639	2213.3	0.5	25	22424	2358.813	28780	52894030	0.1	2180000	-0.01144	0.8603	239	
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	627	3.52998	5.18639	2213.3	0.5	25	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	6332	1.869	12.88026	11835	0.1	406	7	9.28571	20.16362	65	1	55	#N/A	#N/A	5	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	6332	1.869	12.88026	11835	0.1	406	1774	1132.239	6376.538	2008592	1	160000	0.3062	0.0001	541	*
BERYLLIUM	0	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	6332	1.869	12.88026	11835	0.1	406	21991	1007.092	17620	22146953	0.01	1130000	0.94487	0.0001	6213	*
BERYLLIUM	0	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	627	3.52998	5.18639	2213.3	0.5	25	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	627	3.52998	5.18639	2213.3	0.5	25	1774	1132.239	6376.538	2008592	1	160000	0.22111	0.0001	527	*
BERYLLIUM	0	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	627	3.52998	5.18639	2213.3	0.5	25	21991	1007.092	17620	22146953	0.01	1130000	-0.02774	0.6351	295	
BERYLLIUM	0	MERCURY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	6332	1.869	12.88026	11835	0.1	406	3232	0.12396	0.1983	400.65	0.1	5.5	-0.00935	0.6724	2048	
BERYLLIUM	0	MERCURY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	6332	1.869	12.88026	11835	0.1	406	1030	0.29682	0.43584	305.72	0.01	4.5	0.20218	0.0018	236	*
BERYLLIUM	0	MERCURY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	627	3.52998	5.18639	2213.3	0.5	25	3232	0.12396	0.1983	400.65	0.1	5.5	-0.42532	0.0001	78	*
BERYLLIUM	0	MERCURY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	627	3.52998	5.18639	2213.3	0.5	25	1030	0.29682	0.43584	305.72	0.01	4.5	0.56651	0.0001	482	*
BERYLLIUM	0	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	6332	1.869	12.88026	11835	0.1	406	6399	50.13063	681.1727	320786	0.02	24600	0.74762	0.0001	5803	*
BERYLLIUM	0	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	6332	1.869	12.88026	11835	0.1	406	818	21.85697	53.28237	17879	1	590	0.13889	0.0107	337	*
BERYLLIUM	0	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	627	3.52998	5.18639	2213.3	0.5	25	6399	50.13063	681.1727	320786	0.02	24600	-0.01953	0.7522	264	
BERYLLIUM	0	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	627	3.52998	5.18639	2213.3	0.5	25	818	21.85697	53.28237	17879	1	590	0.41167	0.0001	570	*
BERYLLIUM	0	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	6332	1.869	12.88026	11835	0.1	406	23214	0.03706	0.28941	860.2649	0.001	25	0.22714	0.0001	4917	*
BERYLLIUM	0	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	6332	1.869	12.88026	11835	0.1	406	835	0.03174	0.18348	26.50483	0.001	5	0.88965	0.0001	209	*
BERYLLIUM	0	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	[illegible]	52998	5.18639	2213.3	0.5	25	23214	0.03706	0.28941	860.2649	0.001	25	0.05608	[illegible]	121	

Appendix E-threshold National correlation analysis. Correlat[illegible]nts and summary statistics by threshold level (ground water)

VTAG	VTHREG	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	627	3 52998	5.18639	2213 3	0 5	25	835	0 03174	0 18346	26 50483	0 001	5	0 20965	0 0008	251	*
BERYLLIUM	0	PH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	6332	1 869	12 88026	11835	0.1	406	43861	7 12216	0 87866	312385	0 1	12 8	-0 15222	0 0001	6056	*
BERYLLIUM	0	PH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	627	3 52998	5 18639	2213 3	0.5	25	43861	7 12216	0 87866	312385	0 1	12 8	0 00332	0 9363	582	
BERYLLIUM	0	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	6332	1.869	12.88026	11835	0.1	406	7865	55 57754	657 8106	437117	1	27000	0 04252	0 0057	4230	*
BERYLLIUM	0	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	6332	1 869	12 88026	11835	0 1	406	961	2 57856	3 08918	2478	1	31	0 40981	0 0001	313	*
BERYLLIUM	0	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	627	3 52998	5.18639	2213 3	0 5	25	7865	55 57754	657 8106	437117	1	27000	-0 47104	0 0001	151	*
BERYLLIUM	0	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	627	3 52998	5 18639	2213 3	0 5	25	961	2 57856	3 08918	2478	1	31	0 15353	0 0002	571	*
BERYLLIUM	0	THALLIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	6332	1 869	12 88026	11835	0 1	406	848	9 36946	17 94903	7945 3	0 5	102	-0 03707	0 2953	799	
BERYLLIUM	0	THALLIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	6332	1.869	12 88026	11835	0 1	406	350	4 43429	7 27558	1552	1	50	0 38452	0 0001	239	*
BERYLLIUM	0	THALLIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	627	3 52998	5 18639	2213 3	0 5	25	848	9 36946	17 94903	7945 3	0 5	102	-0 61711	0 0001	171	*
BERYLLIUM	0	THALLIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	627	3 52998	5 18639	2213 3	0 5	25	350	4 43429	7.27558	1552	1	50	0 11787	0 0328	328	*
BERYLLIUM	0	TURBIDITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	6332	1 869	12 88026	11835	0 1	406	2359	23 36229	85 84469	55112	0 01	1000	0 03758	0 1943	1195	
BERYLLIUM	0	TURBIDITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	627	3 52998	5.18639	2213 3	0 5	25	2359	23 36229	85 84469	55112	0 01	1000	0 30919	0 0707	35	
BERYLLIUM	0	WELL-DEPTH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	6332	1.869	12 88026	11835	0 1	406	105993	257 8247	384 157	27327615	0 5	7106	-0 00579	0 687	4853	
BERYLLIUM	0	WELL-DEPTH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	627	3 52998	5.18639	2213 3	0 5	25	105993	257 8247	384 157	27327615	0 5	7106	0 08072	0 0659	520	
BERYLLIUM	4	ALKALINITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	297	23 14276	55 38814	6873 4	4	406	2642	204 9232	148 8865	541407	3	4500	-0 12369	0 6139	19	
BERYLLIUM	4	ALKALINITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	146	11 83288	4 95753	1727 6	8	25	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	12	
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	297	23 14276	55 38814	6873 4	4	406	2940	7 83854	29 93498	23045	1	200	0.3496	0 0001	130	*
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	297	23 14276	55 38814	6873 4	4	406	482	28 07158	61 3558	13531	1	200	#N/A	#N/A	12	
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	146	11 83288	4 95753	1727 6	8	25	2940	7 83854	29 93498	23045	1	200	-0 99976	0 0001	24	*
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	146	11 83288	4 95753	1727 6	8	25	482	28 07158	61 3558	13531	1	200	0 58809	0 0001	93	*
BERYLLIUM	4	ARSENIC	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	297	23 14276	55 38814	6873 4	4	406	9943	9 09001	72 56836	90382	1	3800	-0 01846	0 7592	276	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	297	23 14276	55 38814	6873 4	4	406	1294	17 47882	94 81877	22617	1	1400	#N/A	#N/A	12	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	146	11 83288	4 95753	1727 6	8	25	9943	9.09001	72 56836	90382	1	3800	-0 01979	0 9399	17	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	146	11 83288	4 95753	1727 6	8	25	1294	17.47882	94 81877	22617	1	1400	0 01628	0 8454	146	
BERYLLIUM	4	BARIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	297	23 14276	55 38814	6873 4	4	406	8200	120 7616	269 9694	990245	1	10000	-0 01521	0 8007	278	
BERYLLIUM	4	BARIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	297	23 14276	55 38814	6873 4	4	406	2	100	0	200	100	100	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	297	23 14276	55 38814	6873 4	4	406	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	5	
BERYLLIUM	4	BARIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	146	11 83288	4 95753	1727.6	8	25	8200	120 7616	269 9694	990245	1	10000	-0 3291	0 0659	32	
BERYLLIUM	4	BARIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	146	11.83288	4.95753	1727.6	8	25	2	100	0	200	100	100	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	146	11 83288	4 95753	1727 6	8	25	776	194 384	563 7236	150842	7	10000	0 41846	0 0001	123	*
BERYLLIUM	4	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	297	23 14276	55 38814	6873 4	4	406	9321	7.57097	108 8909	70569	0 01	5675	0 95417	0 0001	297	*
BERYLLIUM	4	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	297	23 14276	55 38814	6873 4	4	406	1131	4 46463	6 25633	5049 5	1	100	0 99045	0 0001	16	*
BERYLLIUM	4	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	146	11.83288	4.95753	1727.6	8	25	9321	7.57097	108 8909	70569	0 01	5675	-0 83933	0 0001	25	*
BERYLLIUM	4	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	146	11.83288	4.95753	1727 6	8	25	1131	4 46463	6 25633	5049 5	1	100	0 57308	0 0001	146	*
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	297	23 14276	55 38814	6873 4	4	406	9790	9 87754	276 7559	96701	0 02	27300	0 92127	0 0001	295	*
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	297	23 14276	55 38814	6873 4	4	406	952	13.00315	41 66239	12379	1	630	#N/A	#N/A	1	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	297	23 14276	55 38814	6873 4	4	406	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	12	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	146	11 83288	4 95753	1727.6	8	25	9790	9 87754	276 7559	96701	0 02	27300	-0 24657	0 1666	33	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	146	11 83288	4.95753	1727 6	8	25	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	12	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	146	11.83288	4 95753	1727 6	8	25	1274	13 5	43 20096	17199	1	1100	0 45623	0 0001	146	*
BERYLLIUM	4	CONDUCTANCE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	297	23.14276	55 38814	6873.4	4	406	56711	1443 287	4687 848	81850239	1	249000	0 08122	0 1793	275	
BERYLLIUM	4	CONDUCTANCE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	146	11.83288	4 95753	1727.6	8	25	56711	1443 287	4687 848	81850239	1	249000	-0 1715	0 0443	138	*
BERYLLIUM	4	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	297	23.14276	55 38814	6873 4	4	406	565	0 65073	3 51312	367 664	0 001	20	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	297	23.14276	55 38814	6873 4	4	406	1396	1.09516	12 00667	1528 85	0 01	280	#N/A	#N/A	70	
BERYLLIUM	4	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012 (UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	146	11 83288	4.95753	1727 6	8	25	565	0 65073	3 51312	367 664	0.001	20	0 99925	0 0001	49	*

Appendix E-threshold National corretation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	146	11.83288	4.95753	1727.6	8	25	1396	1.09516	12.00687	1528.85	0.01	280	#N/A	#N/A	1	
BERYLLIUM	4	DEPTH-BELOW-LAN	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	297	23.14276	55.38814	6873.4	4	406	18561	2322.994	304366	43117092	0.02	41465000	0.43249	0.0001	177	*
BERYLLIUM	4	DEPTH-BELOW-LAN	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	146	11.83288	4.95753	1727.6	8	25	18561	2322.994	304366	43117092	0.02	41465000	-0.66448	0.0001	28	*
BERYLLIUM	4	DISSOLVED-OXYGE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	297	23.14276	55.38814	6873.4	4	406	21569	3.82481	7.57848	82497	0.1	545.4	-0.03975	0.5831	193	
BERYLLIUM	4	DISSOLVED-OXYGE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	146	11.83288	4.95753	1727.6	8	25	21569	3.82481	7.57848	82497	0.1	545.4	-0.49511	0.0004	47	*
BERYLLIUM	4	DISSOLVED-SOLID	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	297	23.14276	55.38814	6873.4	4	406	20725	1497.404	13499	31033701	6	319000	0.16336	0.0125	233	*
BERYLLIUM	4	DISSOLVED-SOLID	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	146	11.83288	4.95753	1727.6	8	25	20725	1497.404	13499	31033701	6	319000	-0.04892	0.6988	65	
BERYLLIUM	4	HARDNESS	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	297	23.14276	55.38814	6873.4	4	406	25507	382.224	1096.769	9749388	1	28000	0.32497	0.0001	294	*
BERYLLIUM	4	HARDNESS	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	146	11.83288	4.95753	1727.6	8	25	25507	382.224	1096.769	9749388	1	28000	-0.23334	0.0594	66	
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	297	23.14276	55.38814	6873.4	4	406	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	297	23.14276	55.38814	6873.4	4	406	2327	12508	62820	29106465	10	960000	0.50446	0.0001	105	*
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	297	23.14276	55.38814	6873.4	4	406	22424	2358.813	28780	52894030	0.1	2180000	0.55743	0.0001	296	*
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	297	23.14276	55.38814	6873.4	4	406	195	55634	131042	10848720	0.01	864000	0.65285	0.0005	24	*
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	146	11.83288	4.95753	1727.6	8	25	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	146	11.83288	4.95753	1727.6	8	25	2327	12508	62820	29106465	10	960000	0.45156	0.0001	123	*
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	146	11.83288	4.95753	1727.6	8	25	22424	2358.813	28780	52894030	0.1	2180000	-0.4829	0.001	43	*
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	146	11.83288	4.95753	1727.6	8	25	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	297	23.14276	55.38814	6873.4	4	406	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	297	23.14276	55.38814	6873.4	4	406	1774	1132.239	6376.538	2008592	1	160000	0.57244	0.0001	110	*
BERYLLIUM	4	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	297	23.14276	55.38814	6873.4	4	406	21991	1007.092	17620	22146953	0.01	1130000	0.95312	0.0001	295	*
BERYLLIUM	4	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	146	11.83288	4.95753	1727.6	8	25	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	146	11.83288	4.95753	1727.6	8	25	1774	1132.239	6376.538	2008592	1	160000	0.40535	0.0001	123	*
BERYLLIUM	4	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	146	11.83288	4.95753	1727.6	8	25	21991	1007.092	17620	22146953	0.01	1130000	0.03177	0.6302	48	
BERYLLIUM	4	MERCURY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	297	23.14276	55.38814	6873.4	4	406	3232	0.12396	0.1983	400.65	0.1	5.5	-0.03871	0.6594	132	
BERYLLIUM	4	MERCURY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	297	23.14276	55.38814	6873.4	4	406	1030	0.29682	0.43584	305.72	0.01	4.5	#N/A	#N/A	0	
BERYLLIUM	4	MERCURY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	146	11.83288	4.95753	1727.6	8	25	3232	0.12396	0.1983	400.65	0.1	5.5	-.1	0.0001	17	*
BERYLLIUM	4	MERCURY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	146	11.83288	4.95753	1727.6	8	25	1030	0.29682	0.43584	305.72	0.01	4.5	0.86354	0.0001	139	*
BERYLLIUM	4	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	297	23.14276	55.38814	6873.4	4	406	6399	50.13063	681.1727	320786	0.02	24600	0.91649	0.0001	271	*
BERYLLIUM	4	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	297	23.14276	55.38814	6873.4	4	406	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	12	
BERYLLIUM	4	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	146	11.83288	4.95753	1727.6	8	25	6399	50.13063	681.1727	320786	0.02	24600	-0.98518	0.0001	31	*
BERYLLIUM	4	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	146	11.83288	4.95753	1727.6	8	25	818	21.85697	53.28237	17879	1	590	0.66463	0.0001	145	*
BERYLLIUM	4	NITRATE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	297	23.14276	55.38814	6873.4	4	406	5663	8.00376	38.93465	45325	0.001	1600	0.05783	0.5991	85	
BERYLLIUM	4	NITRATE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	146	11.83288	4.95753	1727.6	8	25	5663	8.00376	38.93465	45325	0.001	1600	-0.70379	0.0004	21	*
BERYLLIUM	4	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	297	23.14276	55.38814	6873.4	4	406	23214	0.03706	0.28941	860.2649	0.001	25	-0.0283	0.6923	198	
BERYLLIUM	4	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	297	23.14276	55.38814	6873.4	4	406	835	0.03174	0.18346	26.50483	0.001	5	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	146	11.83288	4.95753	1727.6	8	25	23214	0.03706	0.28941	860.2649	0.001	25	#N/A	#N/A	98	
BERYLLIUM	4	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	146	11.83288	4.95753	1727.6	8	25	835	0.03174	0.18346	26.50483	0.001	5	#N/A	#N/A	0	
BERYLLIUM	4	PH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	297	23.14276	55.38814	6873.4	4	406	43861	7.12216	0.87866	312385	0.1	12.8	-0.44899	0.0001	276	*
BERYLLIUM	4	PH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	146	11.83288	4.95753	1727.6	8	25	43861	7.12216	0.87866	312385	0.1	12.8	-0.73107	0.0001	130	*
BERYLLIUM	4	RADIUM-226	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	297	23.14276	55.38814	6873.4	4	406	99	1.2899	3.73449	127.7	0.1	31	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	297	23.14276	55.38814	6873.4	4	406	154	1.22799	1.93095	189.11	0.02	14	0.07983	0.8382	9	
BERYLLIUM	4	RADIUM-226	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	297	23.14276	55.38814	6873.4	4	406	230	0.28018	0.55131	64.4405	0.009	6.14	0.05732	0.8928	8	
BERYLLIUM	4	RADIUM-226	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	146	11.83288	4.95753	1727.6	8	25	99	1.2899	3.73449	127.7	0.1	31	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	146	11.83288	4.95753	1727.6	8	25	154	1.22799	1.93095	189.11	0.02	14	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	[illegible]	[illegible].83288	4.95753	1727.6	8	25	230	0.28018	0.55131	64.4405	0.009	6.14	#N/A	#[illegible]	0	
BERYLLIUM	4	RADON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	[illegible]	[illegible]4276	55.38814	6873.4	4	406	4914	32.0677	18.5323	157581	7	250	0.37299	[illegible]	99	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	RADON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	297	23 14276	55 38814	6873 4	4	406	4995	1162 253	3158 094	5805454	7	82082	0 39339	0 0001	101	*
BERYLLIUM	4	RADON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	146	11 83288	4 95753	1727 6	8	25	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	3	
BERYLLIUM	4	RADON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	146	11 83288	4 95753	1727 6	8	25	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	3	
BERYLLIUM	4	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	297	23 14276	55 38814	6873 4	4	406	7865	55 57754	657 8106	437117	1	27000	-0 12802	0 0355	270	*
BERYLLIUM	4	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	297	23 14276	55 38814	6873 4	4	406	961	2 57856	3 08918	2478	1	31	#N/A	#N/A	12	
BERYLLIUM	4	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	146	11 83288	4 95753	1727 6	8	25	7865	55 57754	657 8106	437117	1	27000	-0 49671	0 0159	23	*
BERYLLIUM	4	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	146	11 83288	4 95753	1727 6	8	25	961	2 57856	3 08918	2478	1	31	0 33029	0 0001	146	*
BERYLLIUM	4	SULFATE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	297	23 14276	55 38814	6873 4	4	406	26730	231 201	990 9965	6180003	0 03	37000	0 23115	0 0001	293	*
BERYLLIUM	4	SULFATE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	146	11 83288	4 95753	1727 6	8	25	26730	231 201	990 9965	6180003	0 03	37000	0 03131	0 731	123	
BERYLLIUM	4	THALLIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	297	23 14276	55 38814	6873 4	4	406	848	9 36946	17 94903	7945 3	0 5	102	-0 12344	0 2141	103	
BERYLLIUM	4	THALLIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	297	23 14276	55 38814	6873 4	4	406	350	4 43429	7 27558	1552	1	50	#N/A	#N/A	12	
BERYLLIUM	4	THALLIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	146	11 83288	4 95753	1727 6	8	25	848	9 36946	17 94903	7945 3	0 5	102	-1	0 0001	43	*
BERYLLIUM	4	THALLIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	146	11 83288	4 95753	1727 6	8	25	350	4 43429	7 27558	1552	1	50	-0 52069	0 013	22	*
BERYLLIUM	4	TURBIDITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	297	23 14276	55 38814	6873 4	4	406	2359	23 36229	85 84469	55112	0 01	1000	0 62477	0 0977	8	
BERYLLIUM	4	TURBIDITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	146	11 83288	4 95753	1727 6	8	25	2359	23 36229	85 84469	55112	0.01	1000	#N/A	#N/A	13	
BERYLLIUM	4	URANIUM-235	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	297	23 14276	55 38814	6873 4	4	406	141	56 54043	200 9786	7972 2	0 1	1300	0 25437	0 2303	24	
BERYLLIUM	4	URANIUM-235	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	146	11 83288	4 95753	1727 6	8	25	141	56 54043	200 9786	7972.2	0 1	1300	#N/A	#N/A	6	
BERYLLIUM	4	URANIUM-238	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	297	23 14276	55 38814	6873 4	4	406	141	2844 557	18195	401083	0 1	210000	0 30024	0 154	24	
BERYLLIUM	4	URANIUM-238	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	146	11 83288	4 95753	1727 6	8	25	141	2844.557	18195	401083	0 1	210000	#N/A	#N/A	6	
BERYLLIUM	4	WELL-DEPTH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	297	23 14276	55 38814	6873 4	4	406	105993	257 8247	364 157	27327615	0 5	7106	-0 04976	0 4507	232	
BERYLLIUM	4	WELL-DEPTH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	146	11 83288	4 95753	1727 6	8	25	105993	257 8247	364 157	27327615	0 5	7106	-0 48025	0 0001	109	*
CADMIUM	0	ALKALINITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	9321	7 570965	108 8909	70569	0 01	5675	2642	204 9232	148 8865	541407	3	4500	0 01544	0 6505	863	
CADMIUM	0	ALKALINITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1131	4 464633	6 25633	5049 5	1	100	2642	204 9232	148 8865	541407	3	4500	0 57726	0 0153	17	*
CADMIUM	0	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	9321	7.570965	108 8909	70569	0 01	5675	9790	9 877542	276 7559	96701	0 02	27300	0 08966	0 0001	8965	*
CADMIUM	0	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	9321	7 570965	108 8909	70569	0 01	5675	952	13 00315	41 66239	12379	1	630	-0.05103	0 5523	138	
CADMIUM	0	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	9321	7 570965	108 8909	70569	0 01	5675	1274	13 5	43 20096	17199	1	1100	-0.0034	0 9464	393	
CADMIUM	0	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1131	4 464633	6 25633	5049 5	1	100	9790	9 877542	276.7559	96701	0 02	27300	0.47085	0 0001	411	*
CADMIUM	0	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1131	4 464633	6 25633	5049 5	1	100	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	16	
CADMIUM	0	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1131	4.464633	6 25633	5049 5	1	100	1274	13.5	43.20096	17199	1	1100	0.17412	0 0001	1015	*
CADMIUM	0	CONDUCTANCE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	9321	7 570965	108 8909	70569	0 01	5675	56711	1443 287	4687 848	81850239	1	249000	0 10215	0 0001	8864	*
CADMIUM	0	CONDUCTANCE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1131	4.464633	6 25633	5049 5	1	100	56711	1443 287	4687 848	81850239	1	249000	-0.08174	0 023	774	*
CADMIUM	0	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	9321	7 570965	108 8909	70569	0 01	5675	565	0.650733	3 513117	367.664	0 001	20	0.42057	0 0001	116	*
CADMIUM	0	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	9321	7 570965	108 8909	70569	0 01	5675	1396	1.095165	12 00667	1528 85	0 01	280	0 10476	0 0003	1199	*
CADMIUM	0	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1131	4 464633	6 25633	5049 5	1	100	565	0.650733	3 513117	367.664	0 001	20	-0 01713	0 7185	445	
CADMIUM	0	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1131	4 464633	6 25633	5049 5	1	100	1396	1 095165	12 00667	1528 85	0 01	280	-0 02582	0 8558	52	
CADMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	9321	7.570965	108 8909	70569	0.01	5675	18561	2322 994	304366	43117092	0 02	41465000	-0 0041	0 8295	2769	
CADMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1131	4 464633	6 25633	5049 5	1	100	18561	2322 994	304366	43117092	0 02	41465000	-0 0391	0 4956	306	
CADMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	9321	7 570965	108 8909	70569	0 01	5675	21569	3 824813	7 578481	82497	0 1	545 4	-0.0157	0 2763	4809	
CADMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1131	4 464633	6 25633	5049 5	1	100	21569	3 824813	7.578481	82497	0 1	545 4	-0 1218	0 0227	350	*
CADMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	9321	7.570965	108 8909	70569	0 01	5675	20725	1497 404	13499	31033701	6	319000	0 07396	0 0001	7517	*
CADMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1131	4.464633	6 25633	5049.5	1	100	20725	1497.404	13499	31033701	6	319000	0 09931	0 0417	421	*
CADMIUM	0	HARDNESS	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	9321	7 570965	108 8909	70569	0 01	5675	25507	382 224	1096 769	9749388	1	28000	0 20798	0 0001	9034	*
CADMIUM	0	HARDNESS	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1131	4 464633	6 25633	5049.5	1	100	25507	382 224	1096 769	9749388	1	28000	-0 05429	0 2151	523	
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	9321	7.570965	108 8909	70569	0 01	5675	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	9321	7.570965	108 8909	70569	0 01	5675	2327	12508	62820	29106465	10	960000	0 09763	0 0253	525	*
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	9321	7.570965	108 8909	70569	0 01	5675	22424	2358.813	28780	52894030	0 1	2180000	0 08833	0 0001	8926	*

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	9321	7.570965	108.8909	70569	0.01	5675	195	55634	131042	10848720	0.01	864000	0.28986	0.0117	75	*
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1131	4.464633	6.25633	5049.5	1	100	2	620	678.8225	1240	140	1100	#N/A	#N/A	2	
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1131	4.464633	6.25633	5049.5	1	100	2327	12508	62820	29106465	10	960000	0.33725	0.0001	913	*
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1131	4.464633	6.25633	5049.5	1	100	22424	2358.813	28780	52894030	0.1	2180000	0.22032	0.0001	355	*
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	1131	4.464633	6.25633	5049.5	1	100	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	9321	7.57097	108.8909	70569	0.01	5675	7	9.28571	20.16362	65	1	55	0.25	0.685	5	
CADMIUM	0	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	9321	7.57097	108.8909	70569	0.01	5675	1774	1132.239	6376.538	2008592	1	160000	0.64379	0.0001	551	*
CADMIUM	0	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	9321	7.57097	108.8909	70569	0.01	5675	21991	1007.092	17620	22146953	0.01	1130000	0.16377	0.0001	9104	*
CADMIUM	0	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1131	4.46463	6.25633	5049.5	1	100	7	9.28571	20.16362	65	1	55	#N/A	#N/A	2	
CADMIUM	0	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1131	4.46463	6.25633	5049.5	1	100	1774	1132.239	6376.538	2008592	1	160000	0.08729	0.0071	951	*
CADMIUM	0	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1131	4.46463	6.25633	5049.5	1	100	21991	1007.092	17620	22146953	0.01	1130000	0.17556	0.0003	425	*
CADMIUM	0	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	9321	7.570965	108.8909	70569	0.01	5675	3232	0.123963	0.198296	400.65	0.1	5.5	-0.00209	0.9088	3005	
CADMIUM	0	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	9321	7.570965	108.8909	70569	0.01	5675	1030	0.296816	0.435845	305.72	0.01	4.5	0.11409	0.0929	218	
CADMIUM	0	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1131	4.464633	6.25633	5049.5	1	100	3232	0.123963	0.198296	400.65	0.1	5.5	0.16024	0.0285	187	*
CADMIUM	0	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1131	4.464633	6.25633	5049.5	1	100	1030	0.296816	0.435845	305.72	0.01	4.5	0.0967	0.0038	896	*
CADMIUM	0	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	9321	7.570965	108.8909	70569	0.01	5675	6399	50.13064	681.1727	320786	0.02	24600	0.12067	0.0001	6207	*
CADMIUM	0	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	9321	7.570965	108.8909	70569	0.01	5675	818	21.85697	53.28237	17879	1	590	0.06461	0.2491	320	
CADMIUM	0	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1131	4.464633	6.25633	5049.5	1	100	6399	50.13064	681.1727	320786	0.02	24600	0.39552	0.0001	376	*
CADMIUM	0	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1131	4.464633	6.25633	5049.5	1	100	818	21.85697	53.28237	17879	1	590	0.65834	0.0001	648	*
CADMIUM	0	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	9321	7.570965	108.8909	70569	0.01	5675	23214	0.037058	0.289409	860.264897	0.001	25	0.03965	0.0006	7566	*
CADMIUM	0	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	9321	7.570965	108.8909	70569	0.01	5675	635	0.031742	0.183455	26.504833	0.001	5	0.19639	0.0039	214	*
CADMIUM	0	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1131	4.464633	6.25633	5049.5	1	100	23214	0.037058	0.289409	860.264897	0.001	25	-0.02152	0.6457	459	
CADMIUM	0	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1131	4.464633	6.25633	5049.5	1	100	635	0.031742	0.183455	26.504833	0.001	5	0.09648	0.1222	258	
CADMIUM	0	PH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	9321	7.570965	108.8909	70569	0.01	5675	43861	7.122161	0.878663	312385	0.1	12.8	-0.18175	0.0001	8831	*
CADMIUM	0	PH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1131	4.464633	6.25633	5049.5	1	100	43861	7.122161	0.878663	312385	0.1	12.8	-0.25308	0.0001	953	*
CADMIUM	0	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	9321	7.570965	108.8909	70569	0.01	5675	7865	55.57754	657.8106	437117	1	27000	-0.00148	0.9031	6751	
CADMIUM	0	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	9321	7.570965	108.8909	70569	0.01	5675	961	2.578564	3.089181	2478	1	31	0.55943	0.0001	319	*
CADMIUM	0	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1131	4.464633	6.25633	5049.5	1	100	7865	55.57754	657.8106	437117	1	27000	-0.10168	0.0877	283	
CADMIUM	0	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1131	4.464633	6.25633	5049.5	1	100	961	2.578564	3.089181	2478	1	31	0.07007	0.0374	883	*
CADMIUM	0	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	9321	7.570965	108.8909	70569	0.01	5675	848	9.369458	17.94903	7945.3	0.5	102	0.10178	0.0052	752	*
CADMIUM	0	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	9321	7.570965	108.8909	70569	0.01	5675	350	4.434286	7.27558	1552	1	50	0.54597	0.0001	239	*
CADMIUM	0	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1131	4.464633	6.25633	5049.5	1	100	848	9.369458	17.94903	7945.3	0.5	102	0.07947	0.0001	254	*
CADMIUM	0	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1131	4.464633	6.25633	5049.5	1	100	350	4.434286	7.27558	1552	1	50	0.44299	0.0001	305	*
CADMIUM	0	TURBIDITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	9321	7.570965	108.8909	70569	0.01	5675	2359	23.36229	85.84469	55112	0.01	1000	0.03597	0.1867	1349	
CADMIUM	0	TURBIDITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	1131	4.464633	6.25633	5049.5	1	100	2359	23.36229	85.84469	55112	0.01	1000	-0.04115	0.8291	30	
CADMIUM	0	WELL-DEPTH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	9321	7.570965	108.8909	70569	0.01	5675	105993	257.8247	384.157	27327615	0.5	7106	-0.01247	0.2769	7602	
CADMIUM	0	WELL-DEPTH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	1131	4.464633	6.25633	5049.5	1	100	105993	257.8247	384.157	27327615	0.5	7106	-0.03736	0.2672	884	
CADMIUM	5	ALKALINITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	371	162.7757	522.9835	60390	5	5675	2642	204.9232	148.8865	541407	3	4500	-0.22212	0.5374	10	
CADMIUM	5	ALKALINITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	508	8.353346	7.68754	4243.5	5	100	2642	204.9232	148.8865	541407	3	4500	0.99143	0.0086	4	*
CADMIUM	5	ANTIMONY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	371	162.7757	522.9835	60390	5	5675	2940	7.838537	29.93498	23045	1	200	-0.1291	0.183	108	
CADMIUM	5	ANTIMONY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	371	162.7757	522.9835	60390	5	5675	482	28.07158	61.3558	13531	1	200	-0.32995	0.0088	62	*
CADMIUM	5	ANTIMONY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	508	8.353346	7.68754	4243.5	5	100	2940	7.838537	29.93498	23045	1	200	-0.71147	0.0001	61	*
CADMIUM	5	ANTIMONY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	508	8.353346	7.68754	4243.5	5	100	482	28.07158	61.3558	13531	1	200	-0.40746	0.0001	91	*
CADMIUM	5	ARSENIC	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	371	162.7757	522.9835	60390	5	5675	9943	9.090013	72.56837	90382	1	3800	-0.00863	0.8888	265	
CADMIUM	5	ARSENIC	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	371	162.7757	522.9835	60390	5	5675	1294	17.47862	94.81877	22617	1	1400	-0.03062	0.7623	100	
CADMIUM	5	ARSENIC	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	[illegible]	353346	7.68754	4243.5	5	100	9943	9.090013	72.56837	90382	1	3800	-0.32185	[illegible]	116	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	ARSENIC	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	508	8.353346	7.68754	4243.5	5	100	1294	17.47862	94.81877	22617	1	1400	-0.25217	0.0001	379	*
CADMIUM	5	BARIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	371	162.7757	522.9835	60390	5	5675	8200	120.7616	269.9694	990245	1	10000	-0.03552	0.5626	268	
CADMIUM	5	BARIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	371	162.7757	522.9835	60390	5	5675	2	100	0	200	100	100	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	371	162.7757	522.9835	60390	5	5675	776	194.384	563.7236	150842	7	10000	-0.03617	0.7662	70	
CADMIUM	5	BARIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	508	8.353346	7.68754	4243.5	5	100	8200	120.7616	269.9694	990245	1	10000	-0.5569	0.0001	138	*
CADMIUM	5	BARIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	508	8.353346	7.68754	4243.5	5	100	2	100	0	200	100	100	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	508	8.353346	7.68754	4243.5	5	100	776	194.384	563.7236	150842	7	10000	-0.00166	0.9743	380	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	371	162.7757	522.9835	60390	5	5675	6332	1.869	12.88026	11835	0.1	406	0.09779	0.141	228	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	371	162.7757	522.9835	60390	5	5675	627	3.52998	5.18639	2213.3	0.5	25	-0.14498	0.2864	56	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	508	8.35335	7.68754	4243.5	5	100	6332	1.869	12.88026	11835	0.1	406	-0.09026	0.3694	101	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	508	8.35335	7.68754	4243.5	5	100	627	3.52998	5.18639	2213.3	0.5	25	-0.0493	0.5805	128	
CADMIUM	5	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	371	162.7757	522.9835	60390	5	5675	9790	9.877542	276.7559	96701	0.02	27300	0.07116	0.216	304	
CADMIUM	5	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	371	162.7757	522.9835	60390	5	5675	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	3	
CADMIUM	5	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	371	162.7757	522.9835	60390	5	5675	1274	13.5	43.20096	17199	1	1100	-0.07918	0.4359	99	
CADMIUM	5	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	508	8.353346	7.68754	4243.5	5	100	9790	9.877542	276.7559	96701	0.02	27300	-0.2096	0.0133	139	*
CADMIUM	5	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	508	8.353346	7.68754	4243.5	5	100	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	508	8.353346	7.68754	4243.5	5	100	1274	13.5	43.20096	17199	1	1100	0.08833	0.0539	477	
CADMIUM	5	CONDUCTANCE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	371	162.7757	522.9835	60390	5	5675	56711	1443.287	4687.848	81850239	1	249000	0.10623	0.05	341	*
CADMIUM	5	CONDUCTANCE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	508	8.353346	7.68754	4243.5	5	100	56711	1443.287	4687.848	81850239	1	249000	0.00029	0.9967	205	
CADMIUM	5	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	371	162.7757	522.9835	60390	5	5675	565	0.650733	3.513117	367.664	0.001	20	0	#N/A	2	
CADMIUM	5	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	371	162.7757	522.9835	60390	5	5675	1396	1.095165	12.00667	1528.85	0.01	280	-0.02924	0.829	57	
CADMIUM	5	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	508	8.353346	7.68754	4243.5	5	100	565	0.650733	3.513117	367.664	0.001	20	-0.18248	0.0174	214	*
CADMIUM	5	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	508	8.353346	7.68754	4243.5	5	100	1396	1.095165	12.00667	1528.85	0.01	280	-0.02582	0.8558	52	
CADMIUM	5	DEPTH-BELOW-LAN	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	371	162.7757	522.9835	60390	5	5675	18561	2322.994	304366	43117092	0.02	41465000	-0.09104	0.329	117	
CADMIUM	5	DEPTH-BELOW-LAN	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	508	8.353346	7.68754	4243.5	5	100	18561	2322.994	304366	43117092	0.02	41465000	0.08743	0.3871	100	
CADMIUM	5	DISSOLVED-OXYGE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	371	162.7757	522.9835	60390	5	5675	21569	3.824813	7.578481	82497	0.1	545.4	-0.13143	0.0349	258	*
CADMIUM	5	DISSOLVED-OXYGE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	508	8.353346	7.68754	4243.5	5	100	21569	3.824813	7.578481	82497	0.1	545.4	0.01693	0.8443	137	
CADMIUM	5	DISSOLVED-SOLID	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	371	162.7757	522.9835	60390	5	5675	20725	1497.404	13499	31033701	6	319000	0.1108	0.1685	156	
CADMIUM	5	DISSOLVED-SOLID	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	508	8.353346	7.68754	4243.5	5	100	20725	1497.404	13499	31033701	6	319000	0.02394	0.9137	23	
CADMIUM	5	HARDNESS	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	371	162.7757	522.9835	60390	5	5675	25507	382.224	1096.769	9749388	1	28000	0.38097	0.0001	305	*
CADMIUM	5	HARDNESS	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	508	8.353346	7.68754	4243.5	5	100	25507	382.224	1096.769	9749388	1	28000	0.03699	0.7478	78	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	371	162.7757	522.9835	60390	5	5675	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	371	162.7757	522.9835	60390	5	5675	2327	12508	62820	29106465	10	960000	0.16138	0.1034	103	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	371	162.7757	522.9835	60390	5	5675	22424	2358.813	28780	52894030	0.1	2180000	0.01965	0.7308	309	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	371	162.7757	522.9835	60390	5	5675	195	55634	131042	10848720	0.01	864000	-0.08107	0.8238	10	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	508	8.353346	7.68754	4243.5	5	100	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	508	8.353346	7.68754	4243.5	5	100	2327	12508	62820	29106465	10	960000	0.29292	0.0001	466	*
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	508	8.353346	7.68754	4243.5	5	100	22424	2358.813	28780	52894030	0.1	2180000	-0.00835	0.9425	77	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	508	8.353346	7.68754	4243.5	5	100	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	371	162.7757	522.9835	60390	5	5675	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	371	162.7757	522.9835	60390	5	5675	1774	1132.239	6376.538	2008592	1	160000	0.74599	0.0001	109	*
CADMIUM	5	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	371	162.7757	522.9835	60390	5	5675	21991	1007.092	17620	22146953	0.01	1130000	0.0995	0.0559	370	
CADMIUM	5	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	508	8.35335	7.68754	4243.5	5	100	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	508	8.35335	7.68754	4243.5	5	100	1774	1132.239	6376.538	2008592	1	160000	0.04792	0.2829	504	
CADMIUM	5	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	508	8.35335	7.68754	4243.5	5	100	21991	1007.092	17620	22146953	0.01	1130000	0.10649	0.2121	139	
CADMIUM	5	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	371	162.7757	522.9835	60390	5	5675	3232	0.123963	0.198296	400.65	0.1	5.5	-0.08163	0.2803	192	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	371	162.7757	522.9835	60390	5	5675	1030	0.296816	0.435845	305.72	0.01	4.5	-0.09164	0.4643	66	
CADMIUM	5	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	508	8.353346	7.68754	4243.5	5	100	3232	0.123963	0.198296	400.65	0.1	5.5	-0.24705	0.0176	92	*
CADMIUM	5	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	508	8.353346	7.68754	4243.5	5	100	1030	0.296816	0.435845	305.72	0.01	4.5	-0.18751	0.0001	436	*
CADMIUM	5	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	371	162.7757	522.9835	60390	5	5675	6399	50.13064	681.1727	320786	0.02	24600	0.10089	0.1059	258	
CADMIUM	5	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	371	162.7757	522.9835	60390	5	5675	818	21.85697	53.28237	17879	1	590	0.02051	0.8478	90	
CADMIUM	5	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	508	8.353346	7.68754	4243.5	5	100	6399	50.13064	681.1727	320786	.0.02	24600	0.29317	0.0008	128	*
CADMIUM	5	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	508	8.353346	7.68754	4243.5	5	100	818	21.85697	53.28237	17879	1	590	0.50853	0.0001	166	*
CADMIUM	5	NITRATE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	371	162.7757	522.9835	60390	5	5675	5663	8.003763	38.93465	45325	0.001	1600	-0.02736	0.8967	25	
CADMIUM	5	NITRATE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	508	8.353346	7.68754	4243.5	5	100	5663	8.003763	38.93465	45325	0.001	1600	0.10633	0.2498	119	
CADMIUM	5	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	371	162.7757	522.9835	60390	5	5675	23214	0.037058	0.289409	860.264897	0.001	25	-0.11147	0.2103	128	
CADMIUM	5	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	371	162.7757	522.9835	60390	5	5675	835	0.031742	0.183455	26.504833	0.001	5	-0.98432	0.1129	3	
CADMIUM	5	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	508	8.353346	7.68754	4243.5	5	100	23214	0.037058	0.289409	860.264897	0.001	25	-0.15006	0.0127	275	*
CADMIUM	5	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	508	8.353346	7.68754	4243.5	5	100	835	0.031742	0.183455	26.504833	0.001	5	-0.47327	0.1982	9	
CADMIUM	5	PH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	371	162.7757	522.9835	60390	5	5675	43861	7.122161	0.878663	312385	0.1	12.8	-0.36488	0.0001	339	*
CADMIUM	5	PH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	508	8.353346	7.68754	4243.5	5	100	43861	7.122161	0.878663	312385	0.1	12.8	-0.04139	0.4144	391	
CADMIUM	5	RADIUM-226	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	371	162.7757	522.9835	60390	5	5675	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	3	
CADMIUM	5	RADIUM-226	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	371	162.7757	522.9835	60390	5	5675	154	1.227987	1.930945	189.11	0.02	14	-0.30886	0.8001	3	
CADMIUM	5	RADIUM-226	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	371	162.7757	522.9835	60390	5	5675	230	0.280176	0.551313	64.4405	0.009	6.14	-0.09168	0.8629	6	
CADMIUM	5	RADIUM-226	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	31	
CADMIUM	5	RADIUM-226	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	31	
CADMIUM	5	RADON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76002	RADON 222-PE-P76002-(PCI/L)	371	162.7757	522.9835	60390	5	5675	4914	32.0677	18.5323	157581	7	250	0.31208	0.0216	54	*
CADMIUM	5	RADON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	371	162.7757	522.9835	60390	5	5675	4995	1162.253	3158.094	5805454	7	82082	0.29993	0.0247	56	*
CADMIUM	5	RADON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76002	RADON 222-PE-P76002-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	23	
CADMIUM	5	RADON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	23	
CADMIUM	5	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	371	162.7757	522.9835	60390	5	5675	7865	55.57754	657.8106	437117	1	27000	-0.04233	0.5036	252	
CADMIUM	5	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	371	162.7757	522.9835	60390	5	5675	961	2.578564	3.089181	2478	1	31	-0.5848	0.0001	94	*
CADMIUM	5	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	508	8.353346	7.68754	4243.5	5	100	7865	55.57754	657.8106	437117	1	27000	-0.41254	0.0001	130	*
CADMIUM	5	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	508	8.353346	7.68754	4243.5	5	100	961	2.578564	3.089181	2478	1	31	-0.26295	0.0001	369	*
CADMIUM	5	SULFATE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	371	162.7757	522.9835	60390	5	5675	26730	231.201	990.9965	6180003	0.03	37000	0.4077	0.0001	308	*
CADMIUM	5	SULFATE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	508	8.353346	7.68754	4243.5	5	100	26730	231.201	990.9965	6180003	0.03	37000	0.34624	0.0001	355	*
CADMIUM	5	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	371	162.7757	522.9835	60390	5	5675	848	9.369458	17.94903	7945.3	0.5	102	-0.09765	0.4179	71	
CADMIUM	5	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	371	162.7757	522.9835	60390	5	5675	350	4.434286	7.27558	1552	1	50	-0.38341	0.0035	56	*
CADMIUM	5	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	508	8.353346	7.68754	4243.5	5	100	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	54	
CADMIUM	5	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	508	8.353346	7.68754	4243.5	5	100	350	4.434286	7.27558	1552	1	50	-0.12445	0.2683	81	
CADMIUM	5	TURBIDITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	371	162.7757	522.9835	60390	5	5675	2359	23.36229	85.84469	55112	0.01	1000	0.64595	0.0436	10	*
CADMIUM	5	TURBIDITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	508	8.353346	7.68754	4243.5	5	100	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
CADMIUM	5	URANIUM-235	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	371	162.7757	522.9835	60390	5	5675	141	56.54043	200.9786	7972.2	0.1	1300	0.30093	0.1735	22	
CADMIUM	5	URANIUM-235	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	30	
CADMIUM	5	URANIUM-238	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	371	162.7757	522.9835	60390	5	5675	141	2844.557	18195	401083	0.1	210000	0.27396	0.2173	22	
CADMIUM	5	URANIUM-238	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	508	8.353346	7.68754	4243.5	5	100	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	30	
CADMIUM	5	WELL-DEPTH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	371	162.7757	522.9835	60390	5	5675	105993	257.8247	364.157	27327615	0.5	7106	-0.02740	0.6847	221	
CADMIUM	5	WELL-DEPTH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	508	8.353346	7.68754	4243.5	5	100	105993	257.8247	364.157	27327615	0.5	7106	0.1004	0.044	403	*
CHROMIUM	0	ALKALINITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	9790	9.877542	276.7559	96701	0.02	27300	2642	204.9232	148.8865	541407	3	4500	0.03272	0.3404	851	
CHROMIUM	0	ALKALINITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	952	13.00315	41.66239	12379	1	630	2642	204.9232	148.8865	541407	3	4500	0.97073	0.1544	3	
CHROMIUM	0	ALKALINITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	[illegible]	13.5	43.20096	17199	1	1100	2642	204.9232	148.8865	541407	3	4500	0.01383	[illegible]	17	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	CONDUCTANCE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	9790	9 877542	276 7559	96701	0 02	27300	56711	1443 287	4687 848	81850239	1	249000	0 01858	0 0725	9339	
CHROMIUM	0	CONDUCTANCE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	952	13 00315	41 66239	12379	1	630	56711	1443 287	4687 848	81850239	1	249000	-0 01875	0 5708	916	
CHROMIUM	0	CONDUCTANCE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1274	13 5	43 20096	17199	1	1100	56711	1443 287	4687.848	81850239	1	249000	-0 09684	0 004	883	*
CHROMIUM	0	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	9790	9 877542	276 7559	96701	0 02	27300	565	0 650733	3 513117	367 664	0 001	20	-0 13958	0 0581	185	
CHROMIUM	0	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	9790	9 877542	276.7559	96701	0 02	27300	1396	1 095165	12 00667	1528 85	0 01	280	0 09632	0 0009	1183	*
CHROMIUM	0	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	952	13 00315	41 66239	12379	1	630	565	0 650733	3 513117	367.664	0 001	20	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	952	13 00315	41 66239	12379	1	630	1396	1 095165	12 00667	1528 85	0 01	280	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1274	13 5	43 20096	17199	1	1100	565	0 650733	3 513117	367 664	0 001	20	0 57663	0 0001	468	*
CHROMIUM	0	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1274	13 5	43 20096	17199	1	1100	1396	1 095165	12 00667	1528 85	0 01	280	-0 00937	0 9419	63	
CHROMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	9790	9 877542	276 7559	96701	0 02	27300	18561	2322 994	304366	43117092	0 02	41465000	-0 00177	0 9296	2506	
CHROMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	952	13 00315	41 66239	12379	1	630	18561	2322 994	304366	43117092	0 02	41465000	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1274	13 5	43 20096	17199	1	1100	18561	2322 994	304366	43117092	0 02	41465000	-0 09994	0 0738	321	
CHROMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	9790	9 877542	276 7559	96701	0 02	27300	21569	3 824813	7 578481	82497	0 1	545.4	0 07519	0 0001	4564	*
CHROMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	952	13 00315	41 66239	12379	1	630	21569	3 824813	7 578481	82497	0 1	545 4	-0 04866	0 5061	189	
CHROMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1274	13 5	43 20096	17199	1	1100	21569	3 824813	7 578481	82497	0 1	545 4	0 09035	0.1184	300	
CHROMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	9790	9 877542	276 7559	96701	0 02	27300	20725	1497 404	13499	31033701	6	319000	0 02245	0 0548	7315	
CHROMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	952	13 00315	41 66239	12379	1	630	20725	1497.404	13499	31033701	6	319000	-0 02668	0 6584	277	
CHROMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1274	13 5	43 20096	17199	1	1100	20725	1497.404	13499	31033701	6	319000	-0 04301	0 361	453	
CHROMIUM	0	HARDNESS	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	9790	9 877542	276 7559	96701	0 02	27300	25507	382 224	1096 769	9749388	1	28000	0 02748	0 0099	8800	*
CHROMIUM	0	HARDNESS	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	952	13.00315	41 66239	12379	1	630	25507	382 224	1096 769	9749388	1	28000	-0 12232	0 0405	281	*
CHROMIUM	0	HARDNESS	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1274	13 5	43 20096	17199	1	1100	25507	382 224	1096 769	9749388	1	28000	-0 10285	0 0158	550	*
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	9790	9 877542	276 7559	96701	0 02	27300	2	620	678 8225	1240	140	1100	#N/A	#N/A	2	
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	9790	9 877542	276 7559	96701	0 02	27300	2327	12508	62820	29106465	10	960000	0 00285	0 9429	835	
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	9790	9 877542	276 7559	96701	0.02	27300	22424	2358 813	28780	52894030	0 1	2180000	0 02143	0 0457	8694	*
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	9790	9 877542	276 7559	96701	0 02	27300	195	55634	131042	10848720	0 01	864000	0 23326	0 044	75	*
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	952	13 00315	41 66239	12379	1	630	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	952	13 00315	41 66239	12379	1	630	2327	12508	62820	29106465	10	960000	0 00367	0 9823	39	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	952	13.00315	41 66239	12379	1	630	22424	2358 813	28780	52894030	0 1	2180000	-0 03859	0 5195	281	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	952	13 00315	41 66239	12379	1	630	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1274	13 5	43 20096	17199	1	1100	2	620	678 8225	1240	140	1100	#N/A	#N/A	2	
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1274	13 5	43 20096	17199	1	1100	2327	12508	62820	29106465	10	960000	0 7391	0 0001	1067	*
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1274	13 5	43 20096	17199	1	1100	22424	2358 813	28780	52894030	0 1	2180000	0 12091	0 0179	383	*
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	1274	13 5	43 20096	17199	1	1100	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	9790	9 87754	276 7559	96701	0 02	27300	7	9 28571	20 16362	65	1	55	#N/A	#N/A	7	
CHROMIUM	0	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	9790	9 87754	276 7559	96701	0 02	27300	1774	1132 239	6376 538	2008592	1	160000	-0 00656	0 875	577	
CHROMIUM	0	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	9790	9 87754	276 7559	96701	0 02	27300	21991	1007 092	17620	22146953	0 01	1130000	0 04351	0 0001	8816	*
CHROMIUM	0	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	952	13.00315	41.66239	12379	1	630	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	952	13 00315	41 66239	12379	1	630	1774	1132.239	6376 538	2008592	1	160000	0.07326	0 7874	16	
CHROMIUM	0	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	952	13.00315	41.66239	12379	1	630	21991	1007.092	17620	22146953	0 01	1130000	-0 03743	0 4896	343	
CHROMIUM	0	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1274	13 5	43 20096	17199	1	1100	7	9 28571	20 16362	65	1	55	#N/A	#N/A	2	
CHROMIUM	0	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1274	13 5	43 20096	17199	1	1100	1774	1132 239	6376 538	2008592	1	160000	0 07498	0 0202	959	*
CHROMIUM	0	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1274	13.5	43 20096	17199	1	1100	21991	1007 092	17620	22146953	0 01	1130000	0 01431	0 7608	455	
CHROMIUM	0	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	9790	9 877542	276.7559	96701	0 02	27300	3232	0.123963	0.198296	400 65	0 1	5 5	0 02326	0 2024	3004	
CHROMIUM	0	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	9790	9 877542	276.7559	96701	0 02	27300	1030	0.296816	0.435845	305 72	0 01	4 5	0 1491	0 0198	244	*
CHROMIUM	0	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	952	13 00315	41 66239	12379	1	630	3232	0.123963	0.198296	400 65	0 1	5 5	-0 01795	0 8003	201	
CHROMIUM	0	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	952	13 00315	41.66239	12379	1	630	1030	0 296816	0 435845	305 72	0 01	4 5	#N/A	#N/A	39	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1274	13.5	43.20096	17199	1	1100	3232	0.123963	0.198296	400.65	0.1	5.5	0.21921	0.0042	169	*
CHROMIUM	0	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1274	13.5	43.20096	17199	1	1100	1030	0.296816	0.435845	305.72	0.01	4.5	0.21289	0.0001	1008	*
CHROMIUM	0	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	9790	9.877542	276.7559	96701	0.02	27300	6399	50.13064	681.1727	320786	0.02	24600	0.54168	0.0001	6246	*
CHROMIUM	0	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	9790	9.877542	276.7559	96701	0.02	27300	818	21.85697	53.28237	17879	1	590	0.30706	0.0001	348	*
CHROMIUM	0	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	952	13.00315	41.66239	12379	1	630	6399	50.13064	681.1727	320786	0.02	24600	-0.22733	0.0083	134	*
CHROMIUM	0	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	952	13.00315	41.66239	12379	1	630	818	21.85697	53.28237	17879	1	590	0.09632	0.5651	38	
CHROMIUM	0	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1274	13.5	43.20096	17199	1	1100	6399	50.13064	681.1727	320786	0.02	24600	0.14836	0.0042	371	*
CHROMIUM	0	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1274	13.5	43.20096	17199	1	1100	818	21.85697	53.28237	17879	1	590	0.62569	0.0001	798	*
CHROMIUM	0	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	9790	9.877542	276.7559	96701	0.02	27300	23214	0.037058	0.289409	860.264897	0.001	25	-0.00077	0.9465	7705	
CHROMIUM	0	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	9790	9.877542	276.7559	96701	0.02	27300	835	0.031742	0.183455	26.504833	0.001	5	-0.48026	0.0001	271	*
CHROMIUM	0	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	952	13.00315	41.66239	12379	1	630	23214	0.037058	0.289409	860.264897	0.001	25	-0.06802	0.0693	625	
CHROMIUM	0	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	952	13.00315	41.66239	12379	1	630	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1274	13.5	43.20096	17199	1	1100	23214	0.037058	0.289409	860.264897	0.001	25	0.04334	0.274	639	
CHROMIUM	0	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1274	13.5	43.20096	17199	1	1100	835	0.031742	0.183455	26.504833	0.001	5	-0.08479	0.1593	277	
CHROMIUM	0	PH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	9790	9.877542	276.7559	96701	0.02	27300	43861	7.122161	0.878663	312385	0.1	12.8	-0.00249	0.8103	9306	
CHROMIUM	0	PH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	952	13.00315	41.66239	12379	1	630	43861	7.122161	0.878663	312385	0.1	12.8	-0.02438	0.4616	914	
CHROMIUM	0	PH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1274	13.5	43.20096	17199	1	1100	43861	7.122161	0.878663	312385	0.1	12.8	-0.22402	0.0001	1059	*
CHROMIUM	0	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	9790	9.877542	276.7559	96701	0.02	27300	7865	55.57754	657.8106	437117	1	27000	-0.00048	0.9685	6739	
CHROMIUM	0	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	9790	9.877542	276.7559	96701	0.02	27300	961	2.578564	3.089181	2478	1	31	0.72784	0.0001	331	*
CHROMIUM	0	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	952	13.00315	41.66239	12379	1	630	7865	55.57754	657.8106	437117	1	27000	-0.00148	0.9802	284	
CHROMIUM	0	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	952	13.00315	41.66239	12379	1	630	961	2.578564	3.089181	2478	1	31	0.24524	0.3599	10	
CHROMIUM	0	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1274	13.5	43.20096	17199	1	1100	7865	55.57754	657.8106	437117	1	27000	0.04868	0.4231	273	
CHROMIUM	0	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1274	13.5	43.20096	17199	1	1100	961	2.578564	3.089181	2478	1	31	0.38604	0.0001	926	*
CHROMIUM	0	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	9790	9.877542	276.7559	96701	0.02	27300	848	9.369458	17.94903	7945.3	0.5	102	0.14633	0.0001	758	*
CHROMIUM	0	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	9790	9.877542	276.7559	96701	0.02	27300	350	4.434286	7.27558	1552	1	50	0.85481	0.0001	239	*
CHROMIUM	0	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	952	13.00315	41.66239	12379	1	630	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	42	
CHROMIUM	0	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	952	13.00315	41.66239	12379	1	630	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1274	13.5	43.20096	17199	1	1100	848	9.369458	17.94903	7945.3	0.5	102	0.0692	0.3058	221	
CHROMIUM	0	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1274	13.5	43.20096	17199	1	1100	350	4.434286	7.27558	1552	1	50	0.30863	0.0001	328	*
CHROMIUM	0	TURBIDITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	9790	9.877542	276.7559	96701	0.02	27300	2359	23.36229	85.84469	55112	0.01	1000	-0.01078	0.6873	1396	
CHROMIUM	0	TURBIDITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	952	13.00315	41.66239	12379	1	630	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	3	
CHROMIUM	0	TURBIDITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	1274	13.5	43.20096	17199	1	1100	2359	23.36229	85.84469	55112	0.01	1000	-0.09582	0.4992	52	
CHROMIUM	0	WELL-DEPTH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	9790	9.877542	276.7559	96701	0.02	27300	105993	257.8247	384.157	27327615	0.5	7106	-0.00886	0.5385	8049	
CHROMIUM	0	WELL-DEPTH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	952	13.00315	41.66239	12379	1	630	105993	257.8247	384.157	27327615	0.5	7106	-0.1413	0.0001	838	*
CHROMIUM	0	WELL-DEPTH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	1274	13.5	43.20096	17199	1	1100	105993	257.8247	384.157	27327615	0.5	7106	-0.10759	0.0004	1067	*
CHROMIUM	100	ALKALINITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	88	505.3182	2891.115	44468	100	27300	2642	204.9232	148.8865	541407	3	4500	-0.27192	0.6581	5	
CHROMIUM	100	ALKALINITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	39	183.3333	99.45465	7150	100	630	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	15	295.3333	258.7571	4430	100	1100	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	88	505.3182	2891.115	44468	100	27300	2940	7.638537	29.93498	23045	1	200	0.61072	0.0806	9	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	88	505.3182	2891.115	44468	100	27300	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	39	183.3333	99.45465	7150	100	630	2940	7.638537	29.93498	23045	1	200	#N/A	#N/A	5	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	39	183.3333	99.45465	7150	100	630	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	15	295.3333	258.7571	4430	100	1100	2940	7.638537	29.93498	23045	1	200	#N/A	#N/A	1	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	15	295.3333	258.7571	4430	100	1100	482	28.07158	61.3558	13531	1	200	0.6355	0.1751	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	88	505.3182	2891.115	44468	100	27300	9943	9.090013	72.56837	90382	1	3800	-0.13608	0.4577	32	
CHROMIUM	100	ARSENIC	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	[illegible]	[illegible].3182	2891.115	44468	100	27300	1294	17.47882	94.81877	22617	1	1400	#N/A	[illegible]	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	ARSENIC	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	39	183.3333	99.45465	7150	100	630	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	5	
CHROMIUM	100	ARSENIC	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	39	183.3333	99.45465	7150	100	630	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	15	295.3333	258.7571	4430	100	1100	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	1	
CHROMIUM	100	ARSENIC	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	15	295.3333	258.7571	4430	100	1100	1294	17.47862	94.81877	22617	1	1400	0.48704	0.1258	12	
CHROMIUM	100	BARIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	88	505.3182	2891.115	44468	100	27300	8200	120.7616	269.9694	990245	1	10000	0.30614	0.0783	34	
CHROMIUM	100	BARIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	88	505.3182	2891.115	44468	100	27300	2	100	0	200	100	100	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	88	505.3182	2891.115	44468	100	27300	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	39	183.3333	99.45465	7150	100	630	8200	120.7616	269.9694	990245	1	10000	0.57437	0.3112	5	
CHROMIUM	100	BARIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	39	183.3333	99.45465	7150	100	630	2	100	0	200	100	100	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	39	183.3333	99.45465	7150	100	630	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	15	295.3333	258.7571	4430	100	1100	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	1	
CHROMIUM	100	BARIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	15	295.3333	258.7571	4430	100	1100	2	100	0	200	100	100	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	15	295.3333	258.7571	4430	100	1100	776	194.384	563.7236	150842	7	10000	0.51462	0.0497	15	*
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	88	505.3182	2891.115	44468	100	27300	6332	1.869	12.88026	11835	0.1	406	0.57477	0.0004	34	*
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	88	505.3182	2891.115	44468	100	27300	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	39	183.3333	99.45465	7150	100	630	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	5	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	39	183.3333	99.45465	7150	100	630	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	15	295.3333	258.7571	4430	100	1100	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	1	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	15	295.3333	258.7571	4430	100	1100	627	3.52998	5.18639	2213.3	0.5	25	-0.6355	0.1751	6	
CHROMIUM	100	CADMIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	88	505.3182	2891.115	44468	100	27300	9321	7.570965	108.8909	70569	0.01	5675	0.81994	0.0001	43	*
CHROMIUM	100	CADMIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	88	505.3182	2891.115	44468	100	27300	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	39	183.3333	99.45465	7150	100	630	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	5	
CHROMIUM	100	CADMIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	39	183.3333	99.45465	7150	100	630	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	15	295.3333	258.7571	4430	100	1100	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	1	
CHROMIUM	100	CADMIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	15	295.3333	258.7571	4430	100	1100	1131	4.464633	6.25633	5049.5	1	100	0.80552	0.0003	15	*
CHROMIUM	100	CONDUCTANCE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	88	505.3182	2891.115	44468	100	27300	56711	1443.287	4687.848	81850239	1	249000	-0.00377	0.9725	86	
CHROMIUM	100	CONDUCTANCE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	39	183.3333	99.45465	7150	100	630	56711	1443.287	4687.848	81850239	1	249000	0.446	0.0044	39	*
CHROMIUM	100	CONDUCTANCE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	15	295.3333	258.7571	4430	100	1100	56711	1443.287	4687.848	81850239	1	249000	0.31309	0.3784	10	
CHROMIUM	100	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	88	505.3182	2891.115	44468	100	27300	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	88	505.3182	2891.115	44468	100	27300	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	39	183.3333	99.45465	7150	100	630	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	39	183.3333	99.45465	7150	100	630	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	15	295.3333	258.7571	4430	100	1100	565	0.650733	3.513117	367.664	0.001	20	0.23395	0.6136	7	
CHROMIUM	100	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	15	295.3333	258.7571	4430	100	1100	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	1	
CHROMIUM	100	DEPTH-BELOW-LAN	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	88	505.3182	2891.115	44468	100	27300	18561	2322.994	304366	43117092	0.02	41465000	0.78289	0.0374	7	*
CHROMIUM	100	DEPTH-BELOW-LAN	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	39	183.3333	99.45465	7150	100	630	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	15	295.3333	258.7571	4430	100	1100	18561	2322.994	304366	43117092	0.02	41465000	0.15976	0.6814	9	
CHROMIUM	100	DISSOLVED-OXYGE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	88	505.3182	2891.115	44468	100	27300	21569	3.824813	7.578481	82497	0.1	545.4	0.4427	0.0303	24	*
CHROMIUM	100	DISSOLVED-OXYGE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	39	183.3333	99.45465	7150	100	630	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	1	
CHROMIUM	100	DISSOLVED-OXYGE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	15	295.3333	258.7571	4430	100	1100	21569	3.824813	7.578481	82497	0.1	545.4	0.55483	0.2532	6	
CHROMIUM	100	DISSOLVED-SOLID	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	88	505.3182	2891.115	44468	100	27300	20725	1497.404	13499	31033701	6	319000	-0.17003	0.6172	11	
CHROMIUM	100	DISSOLVED-SOLID	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	39	183.3333	99.45465	7150	100	630	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	1	
CHROMIUM	100	DISSOLVED-SOLID	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	15	295.3333	258.7571	4430	100	1100	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
CHROMIUM	100	HARDNESS	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	88	505.3182	2891.115	44468	100	27300	25507	382.224	1096.769	9749388	1	28000	-0.18578	0.278	36	
CHROMIUM	100	HARDNESS	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	39	183.3333	99.45465	7150	100	630	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	1	
CHROMIUM	100	HARDNESS	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	15	295.3333	258.7571	4430	100	1100	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	88	505.3182	2891.115	44468	100	27300	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	88	505.3182	2891.115	44468	100	27300	2327	12508	62820	29106465	10	960000	#N/A	#N/A	1	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	88	505.3182	2891.115	44468	100	27300	22424	2358.813	28780	52894030	0.1	2180000	-0.04602	0.7868	37	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	88	505.3182	2891.115	44468	100	27300	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	39	183.3333	99.45465	7150	100	630	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	39	183.3333	99.45465	7150	100	630	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	39	183.3333	99.45465	7150	100	630	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	1	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	39	183.3333	99.45465	7150	100	630	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	15	295.3333	258.7571	4430	100	1100	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	15	295.3333	258.7571	4430	100	1100	2327	12508	62820	29106465	10	960000	0.68081	0.0052	15	*
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	15	295.3333	258.7571	4430	100	1100	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	15	295.3333	258.7571	4430	100	1100	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	88	505.3182	2891.115	44468	100	27300	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	88	505.3182	2891.115	44468	100	27300	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
CHROMIUM	100	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	88	505.3182	2891.115	44468	100	27300	21991	1007.092	17620	22146953	0.01	1130000	-0.08812	0.5742	43	
CHROMIUM	100	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	39	183.3333	99.45465	7150	100	630	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	39	183.3333	99.45465	7150	100	630	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	39	183.3333	99.45465	7150	100	630	21991	1007.092	17620	22146953	0.01	1130000	-0.48654	0.3278	6	
CHROMIUM	100	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	15	295.3333	258.7571	4430	100	1100	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	15	295.3333	258.7571	4430	100	1100	1774	1132.239	6376.538	2008592	1	160000	0.1099	0.6966	15	
CHROMIUM	100	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	15	295.3333	258.7571	4430	100	1100	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	1	
CHROMIUM	100	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	88	505.3182	2891.115	44468	100	27300	3232	0.123963	0.198296	400.65	0.1	5.5	-0.21473	0.2821	27	
CHROMIUM	100	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	88	505.3182	2891.115	44468	100	27300	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	39	183.3333	99.45465	7150	100	630	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	5	
CHROMIUM	100	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	39	183.3333	99.45465	7150	100	630	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	15	295.3333	258.7571	4430	100	1100	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	1	
CHROMIUM	100	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	15	295.3333	258.7571	4430	100	1100	1030	0.296816	0.435845	305.72	0.01	4.5	0.25947	0.3504	15	
CHROMIUM	100	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	88	505.3182	2891.115	44468	100	27300	6399	50.13064	681.1727	320786	0.02	24600	0.56268	0.0001	43	*
CHROMIUM	100	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	88	505.3182	2891.115	44468	100	27300	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	39	183.3333	99.45465	7150	100	630	6399	50.13064	681.1727	320786	0.02	24600	0.68206	0.2046	5	
CHROMIUM	100	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	39	183.3333	99.45465	7150	100	630	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	15	295.3333	258.7571	4430	100	1100	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	1	
CHROMIUM	100	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	15	295.3333	258.7571	4430	100	1100	818	21.85697	53.28237	17879	1	590	0.6355	0.1751	0	
CHROMIUM	100	NITRATE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	88	505.3182	2891.115	44468	100	27300	5663	8.003783	38.93465	45325	0.001	1600	-0.97018	0.0298	4	*
CHROMIUM	100	NITRATE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	39	183.3333	99.45465	7150	100	630	5663	8.003783	38.93465	45325	0.001	1600	#N/A	#N/A	1	
CHROMIUM	100	NITRATE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	15	295.3333	258.7571	4430	100	1100	5663	8.003783	38.93465	45325	0.001	1600	-0.24764	0.4628	11	
CHROMIUM	100	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	88	505.3182	2891.115	44468	100	27300	23214	0.037058	0.289409	860.264897	0.001	25	-0.04643	0.8256	25	
CHROMIUM	100	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	88	505.3182	2891.115	44468	100	27300	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	39	183.3333	99.45465	7150	100	630	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	8	
CHROMIUM	100	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	39	183.3333	99.45465	7150	100	630	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	15	295.3333	258.7571	4430	100	1100	23214	0.037058	0.289409	860.264897	0.001	25	0.62303	0.2616	5	
CHROMIUM	100	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	15	295.3333	258.7571	4430	100	1100	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
CHROMIUM	100	PH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	88	505.3182	2891.115	44468	100	27300	43861	7.122161	0.878663	312385	0.1	12.8	0.01508	0.8904	86	
CHROMIUM	100	PH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	39	183.3333	99.45465	7150	100	630	43861	7.122161	0.878663	312385	0.1	12.8	-0.19179	0.2421	39	
CHROMIUM	100	PH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	15	295.3333	258.7571	4430	100	1100	43861	7.122161	0.878663	312385	0.1	12.8	0.45555	0.1591	11	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	[illegible]	3182	2891.115	44468	100	27300	99	1.289899	3.734492	127.7	0.1	31	#N/A	[illegible]	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	RADIUM-226	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	88	505.3182	2891.115	44468	100	27300	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	1	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	88	505.3182	2891.115	44468	100	27300	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	1	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	39	183.3333	99.45465	7150	100	630	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	39	183.3333	99.45465	7150	100	630	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	39	183.3333	99.45465	7150	100	630	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	15	295.3333	258.7571	4430	100	1100	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	15	295.3333	258.7571	4430	100	1100	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	15	295.3333	258.7571	4430	100	1100	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	88	505.3182	2891.115	44468	100	27300	4914	32.0677	18.5323	157581	7	250	0.57185	0.0084	20	*
CHROMIUM	100	RADON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	88	505.3182	2891.115	44468	100	27300	4995	1162.253	3158.094	5805454	7	82082	0.43352	0.0438	22	*
CHROMIUM	100	RADON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	39	183.3333	99.45465	7150	100	630	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	39	183.3333	99.45465	7150	100	630	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	15	295.3333	258.7571	4430	100	1100	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	15	295.3333	258.7571	4430	100	1100	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	88	505.3182	2891.115	44468	100	27300	7865	55.57754	657.8106	437117	1	27000	-0.06731	0.7009	35	
CHROMIUM	100	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	88	505.3182	2891.115	44468	100	27300	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	39	183.3333	99.45465	7150	100	630	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	5	
CHROMIUM	100	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	39	183.3333	99.45465	7150	100	630	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	15	295.3333	258.7571	4430	100	1100	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	1	
CHROMIUM	100	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	15	295.3333	258.7571	4430	100	1100	961	2.578564	3.089181	2478	1	31	0.46428	0.1284	12	
CHROMIUM	100	SULFATE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	88	505.3182	2891.115	44468	100	27300	26730	231.201	990.9965	6180003	0.03	37000	-0.1181	0.424	48	
CHROMIUM	100	SULFATE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	39	183.3333	99.45465	7150	100	630	26730	231.201	990.9965	6180003	0.03	37000	0.53045	0.0622	13	
CHROMIUM	100	SULFATE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	15	295.3333	258.7571	4430	100	1100	26730	231.201	990.9965	6180003	0.03	37000	-0.26898	0.6617	5	
CHROMIUM	100	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	88	505.3182	2891.115	44468	100	27300	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	1	
CHROMIUM	100	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	88	505.3182	2891.115	44468	100	27300	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	39	183.3333	99.45465	7150	100	630	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	39	183.3333	99.45465	7150	100	630	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	15	295.3333	258.7571	4430	100	1100	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	1	
CHROMIUM	100	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	15	295.3333	258.7571	4430	100	1100	350	4.434286	7.27558	1552	1	50	0.6355	0.1751	6	
CHROMIUM	100	TURBIDITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	88	505.3182	2891.115	44468	100	27300	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
CHROMIUM	100	TURBIDITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	39	183.3333	99.45465	7150	100	630	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
CHROMIUM	100	TURBIDITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	15	295.3333	258.7571	4430	100	1100	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	88	505.3182	2891.115	44468	100	27300	141	56.54043	200.9786	7972.2	0.1	1300	0.17761	0.5435	14	
CHROMIUM	100	URANIUM-235	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	39	183.3333	99.45465	7150	100	630	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	15	295.3333	258.7571	4430	100	1100	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	88	505.3182	2891.115	44468	100	27300	141	2844.557	18195	401083	0.1	210000	0.08359	0.7763	14	
CHROMIUM	100	URANIUM-238	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	39	183.3333	99.45465	7150	100	630	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	15	295.3333	258.7571	4430	100	1100	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
CHROMIUM	100	WELL-DEPTH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	88	505.3182	2891.115	44468	100	27300	105993	257.8247	364.157	27327615	0.5	7106	-0.12492	0.2823	76	
CHROMIUM	100	WELL-DEPTH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	39	183.3333	99.45465	7150	100	630	105993	257.8247	364.157	27327615	0.5	7106	-0.28992	0.0775	38	
CHROMIUM	100	WELL-DEPTH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	15	295.3333	258.7571	4430	100	1100	105993	257.8247	364.157	27327615	0.5	7106	0.39095	0.1496	15	
CYANIDE	0	ALKALINITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	565	0.650733	3.513117	367.664	0.001	20	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	12	
CYANIDE	0	ALKALINITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1396	1.095165	12.00667	1528.85	0.01	280	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
CYANIDE	0	CONDUCTANCE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	565	0.650733	3.513117	367.664	0.001	20	56711	1443.287	4687.848	81850239	1	249000	-0.08811	0.0984	353	
CYANIDE	0	CONDUCTANCE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1396	1.095165	12.00667	1528.85	0.01	280	56711	1443.287	4687.848	81850239	1	249000	0.39414	0.0001	1185	*
CYANIDE	0	DEPTH-BELOW-LAN	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	565	0.650733	3.513117	367.664	0.001	20	18561	2322.994	304366	43117092	0.02	41465000	-0.05687	0.4214	202	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	DEPTH-BELOW-LAN	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1396	1.095165	12.00667	1528.85	0.01	280	18561	2322.994	304366	43117092	0.02	41465000	-0.0494	0.4962	192	
CYANIDE	0	DISSOLVED-OXYGE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	565	0.650733	3.513117	367.664	0.001	20	21569	3.824813	7.578481	82497	0.1	545.4	-0.23252	0.012	116	*
CYANIDE	0	DISSOLVED-OXYGE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1396	1.095165	12.00667	1528.85	0.01	280	21569	3.824813	7.578481	82497	0.1	545.4	-0.16106	0.0031	336	*
CYANIDE	0	DISSOLVED-SOLID	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	565	0.650733	3.513117	367.664	0.001	20	20725	1497.404	13499	31033701	6	319000	0.17737	0.0037	266	*
CYANIDE	0	DISSOLVED-SOLID	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1396	1.095165	12.00667	1528.85	0.01	280	20725	1497.404	13499	31033701	6	319000	0.15817	0.0001	1085	*
CYANIDE	0	HARDNESS	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	565	0.650733	3.513117	367.664	0.001	20	25507	382.224	1096.769	9749388	1	28000	0.02941	0.5945	330	
CYANIDE	0	HARDNESS	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1396	1.095165	12.00667	1528.85	0.01	280	25507	382.224	1096.769	9749388	1	28000	0.56949	0.0001	1061	*
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	565	0.650733	3.513117	367.664	0.001	20	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	565	0.650733	3.513117	367.664	0.001	20	2327	12508	62820	29106465	10	960000	0.32882	0.0001	442	*
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	565	0.650733	3.513117	367.664	0.001	20	22424	2358.813	28780	52894030	0.1	2180000	0.01519	0.8405	178	
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	565	0.650733	3.513117	367.664	0.001	20	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1396	1.095165	12.00667	1528.85	0.01	280	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1396	1.095165	12.00667	1528.85	0.01	280	2327	12508	62820	29106465	10	960000	0.00912	0.9004	191	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1396	1.095165	12.00667	1528.85	0.01	280	22424	2358.813	28780	52894030	0.1	2180000	0.00714	0.816	1063	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	1396	1.095165	12.00667	1528.85	0.01	280	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	565	0.65073	3.51312	367.664	0.001	20	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	565	0.65073	3.51312	367.664	0.001	20	1774	1132.239	6376.538	2008592	1	160000	0.37889	0.0001	374	*
CYANIDE	0	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	565	0.65073	3.51312	367.664	0.001	20	21991	1007.092	17620	22146953	0.01	1130000	-0.06078	0.5007	125	
CYANIDE	0	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1396	1.09516	12.00667	1528.85	0.01	280	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1396	1.09516	12.00667	1528.85	0.01	280	1774	1132.239	6376.538	2008592	1	160000	0.01922	0.7967	182	
CYANIDE	0	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1396	1.09516	12.00667	1528.85	0.01	280	21991	1007.092	17620	22146953	0.01	1130000	0.81798	0.0001	1136	*
CYANIDE	0	MERCURY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	565	0.650733	3.513117	367.664	0.001	20	3232	0.123963	0.198296	400.65	0.1	5.5	-1	0.0001	30	*
CYANIDE	0	MERCURY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	565	0.650733	3.513117	367.664	0.001	20	1030	0.296816	0.435845	305.72	0.01	4.5	0.48307	0.0001	445	*
CYANIDE	0	MERCURY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1396	1.095165	12.00667	1528.85	0.01	280	3232	0.123963	0.198296	400.65	0.1	5.5	0.75152	0.0001	738	*
CYANIDE	0	MERCURY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1396	1.095165	12.00667	1528.85	0.01	280	1030	0.296816	0.435845	305.72	0.01	4.5	-0.03464	0.8074	52	
CYANIDE	0	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	565	0.650733	3.513117	367.664	0.001	20	6399	50.13064	681.1727	320786	0.02	24600	0.09933	0.1975	170	
CYANIDE	0	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	565	0.650733	3.513117	367.664	0.001	20	818	21.85697	53.28237	17879	1	590	0.81792	0.0001	321	*
CYANIDE	0	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1396	1.095165	12.00667	1528.85	0.01	280	6399	50.13064	681.1727	320786	0.02	24600	0.83481	0.0001	317	*
CYANIDE	0	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1396	1.095165	12.00667	1528.85	0.01	280	818	21.85697	53.28237	17879	1	590	-0.00832	0.9484	63	
CYANIDE	0	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	565	0.650733	3.513117	367.664	0.001	20	23214	0.037058	0.289409	860.264897	0.001	25	0.00852	0.9018	212	
CYANIDE	0	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	565	0.650733	3.513117	367.664	0.001	20	835	0.031742	0.183455	26.504833	0.001	5	-0.13586	0.0279	282	*
CYANIDE	0	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1396	1.095165	12.00667	1528.85	0.01	280	23214	0.037058	0.289409	860.264897	0.001	25	0.97089	0.0001	1048	*
CYANIDE	0	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1396	1.095165	12.00667	1528.85	0.01	280	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	11	
CYANIDE	0	PH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	565	0.650733	3.513117	367.664	0.001	20	43861	7.122161	0.878663	312385	0.1	12.8	-0.25042	0.0001	527	*
CYANIDE	0	PH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1396	1.095165	12.00667	1528.85	0.01	280	43861	7.122161	0.878663	312385	0.1	12.8	-0.00072	0.9798	1219	
CYANIDE	0	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	565	0.650733	3.513117	367.664	0.001	20	7865	55.57754	657.8106	437117	1	27000	-0.65809	0.0001	53	*
CYANIDE	0	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	565	0.650733	3.513117	367.664	0.001	20	961	2.578564	3.089181	2478	1	31	0.57749	0.0001	469	*
CYANIDE	0	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1396	1.095165	12.00667	1528.85	0.01	280	7865	55.57754	657.8106	437117	1	27000	0.0525	0.0846	1080	
CYANIDE	0	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1396	1.095165	12.00667	1528.85	0.01	280	961	2.578564	3.089181	2478	1	31	0.75744	0.0001	67	*
CYANIDE	0	THALLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	565	0.650733	3.513117	367.664	0.001	20	848	9.369458	17.94903	7945.3	0.5	102	0	1	23	
CYANIDE	0	THALLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	565	0.650733	3.513117	367.664	0.001	20	350	4.434286	7.27558	1552	1	50	0.9185	0.0001	174	*
CYANIDE	0	THALLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1396	1.095165	12.00667	1528.85	0.01	280	848	9.369458	17.94903	7945.3	0.5	102	0.02046	0.725	298	
CYANIDE	0	THALLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1396	1.095165	12.00667	1528.85	0.01	280	350	4.434286	7.27558	1552	1	50	0.12725	0.3203	63	
CYANIDE	0	TURBIDITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	565	0.650733	3.513117	367.664	0.001	20	2359	23.36229	85.84469	55112	0.01	1000	0.35922	0.0014	76	*
CYANIDE	0	TURBIDITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	1396	1.095165	12.00667	1528.85	0.01	280	2359	23.36229	85.84469	55112	0.01	1000	-0.05229	0.643	81	
CYANIDE	0	WELL-DEPTH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	[illegible]	[illegible]50733	3.513117	367.664	0.001	20	105993	257.8247	364.157	27327615	0.5	7106	-0.12897	[illegible]	466	*

Appendix E-threshold National correlation analysis. Correlat[illegible]nts and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	WELL-DEPTH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	1396	1 095165	12 00667	1528 65	0 01	280	105993	257.8247	364 157	27327615	0.5	7106	-0 03493	0 2057	1314	
CYANIDE	0 2	ALKALINITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	18	20	0	360	20	20	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	0	
CYANIDE	0 2	ALKALINITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	82	18 48366	46.44959	1515 66	0 26	280	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
CYANIDE	0 2	ANTIMONY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	18	20	0	360	20	20	2940	7 838537	29 93498	23045	1	200	#N/A	#N/A	0	
CYANIDE	0 2	ANTIMONY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	18	20	0	360	20	20	482	28 07158	61 3558	13531	1	200	#N/A	#N/A	18	
CYANIDE	0 2	ANTIMONY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	82	18 48366	46.44959	1515 66	0 26	280	2940	7 838537	29 93498	23045	1	200	0 03027	0 7925	78	
CYANIDE	0.2	ANTIMONY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	82	18 48366	46 44959	1515 66	0 26	280	482	28 07158	61.3558	13531	1	200	#N/A	#N/A	1	
CYANIDE	0 2	ARSENIC	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	18	20	0	360	20	20	9943	9 090013	72 56837	90382	1	3800	#N/A	#N/A	0	
CYANIDE	0 2	ARSENIC	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	18	20	0	360	20	20	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	18	
CYANIDE	0 2	ARSENIC	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	82	18 48366	46 44959	1515 66	0 26	280	9943	9 090013	72 56837	90382	1	3800	-0 01446	0.9	78	
CYANIDE	0.2	ARSENIC	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	82	18 48366	46 44959	1515 66	0 26	280	1294	17.47862	94 81877	22617	1	1400	-0.4399	0.4585	5	
CYANIDE	0 2	BARIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	18	20	0	360	20	20	6200	120 7616	269 9694	990245	1	10000	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	18	20	0	360	20	20	2	100	0	200	100	100	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	18	20	0	360	20	20	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	18	
CYANIDE	0 2	BARIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	82	18 48366	46 44959	1515 66	0 26	280	6200	120 7616	269 9694	990245	1	10000	-0 05591	0 6179	82	
CYANIDE	0 2	BARIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	82	18 48366	46 44959	1515 66	0 26	280	2	100	0	200	100	100	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	82	18 48366	46 44959	1515 66	0 26	280	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	1	
CYANIDE	0 2	BERYLLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	18	20	0	360	20	20	6332	1 869	12 88026	11835	0 1	406	#N/A	#N/A	0	
CYANIDE	0 2	BERYLLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	18	20	0	360	20	20	627	3 52998	5 18639	2213.3	0.5	25	#N/A	#N/A	18	
CYANIDE	0 2	BERYLLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	82	18 48366	46 44959	1515 66	0 26	280	6332	1 869	12.88026	11835	0.1	406	0 13312	0 2332	82	
CYANIDE	0 2	BERYLLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	82	18 48366	46 44959	1515 66	0.26	280	627	3 52998	5 18639	2213 3	0.5	25	#N/A	#N/A	1	
CYANIDE	0 2	CADMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	18	20	0	360	20	20	9321	7 570965	108.8909	70569	0 01	5675	#N/A	#N/A	0	
CYANIDE	0 2	CADMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	18	20	0	360	20	20	1131	4 464633	6.25633	5049.5	1	100	#N/A	#N/A	18	
CYANIDE	0 2	CADMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	82	18 48366	46 44959	1515 66	0 26	280	9321	7.570965	108.8909	70569	0.01	5675	0 49731	0.0001	82	*
CYANIDE	0 2	CADMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	82	18 48366	46 44959	1515 66	0 26	280	1131	4 464633	6 25633	5049 5	1	100	#N/A	#N/A	1	
CYANIDE	0 2	CHROMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	18	20	0	360	20	20	9790	9 877542	276.7559	96701	0 02	27300	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	18	20	0	360	20	20	952	13 00315	41.66239	12379	1	630	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	18	20	0	360	20	20	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	18	
CYANIDE	0 2	CHROMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	82	18 48366	46 44959	1515 66	0.26	280	9790	9.877542	276.7559	96701	0.02	27300	0 31689	0 0037	82	*
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	82	18 48366	46 44959	1515 66	0.26	280	952	13 00315	41.66239	12379	1	630	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	82	18 48366	46 44959	1515 66	0 26	280	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	1	
CYANIDE	0 2	CONDUCTANCE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	18	20	0	360	20	20	56711	1443 287	4687.848	81850239	1	249000	#N/A	#N/A	18	
CYANIDE	0.2	CONDUCTANCE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	82	18 48366	46.44959	1515 66	0 26	280	56711	1443 287	4687.848	81850239	1	249000	0 95566	0 0001	13	*
CYANIDE	0 2	DEPTH-BELOW-LAN	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	18	20	0	360	20	20	18561	2322 994	304366	43117092	0 02	41465000	#N/A	#N/A	18	
CYANIDE	0 2	DEPTH-BELOW-LAN	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	82	18 48366	46 44959	1515 66	0 26	280	18561	2322 994	304366	43117092	0 02	41465000	0 44793	0.2657	8	
CYANIDE	0 2	DISSOLVED-OXYGE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	18	20	0	360	20	20	21569	3 824813	7.578481	82497	0 1	545 4	#N/A	#N/A	17	
CYANIDE	0.2	DISSOLVED-OXYGE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	82	18 48366	46.44959	1515 66	0.26	280	21569	3 824813	7 578481	82497	0 1	545 4	-0 0706	0 5585	71	
CYANIDE	0.2	DISSOLVED-SOLID	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	18	20	0	360	20	20	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
CYANIDE	0 2	DISSOLVED-SOLID	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	82	18 48366	46.44959	1515 66	0 26	280	20725	1497 404	13499	31033701	6	319000	0 13274	0 2769	69	
CYANIDE	0 2	HARDNESS	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	18	20	0	360	20	20	25507	382 224	1096.769	9749388	1	28000	#N/A	#N/A	0	
CYANIDE	0 2	HARDNESS	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	82	18 48366	46.44959	1515 66	0.26	280	25507	382 224	1096 769	9749388	1	28000	0 93862	0 0001	12	*
CYANIDE	0 2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	18	20	0	360	20	20	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
CYANIDE	0 2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	18	20	0	360	20	20	2327	12508	62820	29106465	10	960000	#N/A	#N/A	18	
CYANIDE	0.2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	18	20	0	360	20	20	22424	2358.613	28780	52894030	0 1	2180000	#N/A	#N/A	0	
CYANIDE	0 2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	18	20	0	360	20	20	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
CYANIDE	0 2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	82	18 48366	46.44959	1515 66	0 26	280	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0 2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	82	18 48366	46 44959	1515 66	0 26	280	2327	12508	62820	29106465	10	960000	#N/A	#N/A	1	
CYANIDE	0 2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	82	18 48366	46 44959	1515 66	0 26	280	22424	2358 813	28780	52894030	0 1	2180000	-0 1712	0 5947	12	
CYANIDE	0 2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	82	18 48366	46 44959	1515 66	0 26	280	195	55634	131042	10848720	0 01	884000	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	18	20	0	360	20	20	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	18	20	0	360	20	20	1774	1132 239	6376 538	2008592	1	160000	#N/A	#N/A	18	
CYANIDE	0 2	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	18	20	0	360	20	20	21991	1007 092	17620	22146953	0 01	1130000	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	82	18 48366	46 44959	1515 66	0 26	280	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	82	18 48366	46 44959	1515 66	0 26	280	1774	1132 239	6376 538	2008592	1	160000	#N/A	#N/A	1	
CYANIDE	0 2	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	82	18 48366	46 44959	1515 66	0 26	280	21991	1007 092	17620	22146953	0 01	1130000	0 95672	0 0001	13	*
CYANIDE	0 2	MERCURY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	18	20	0	360	20	20	3232	0.123963	0 198296	400 65	0 1	5 5	#N/A	#N/A	0	
CYANIDE	0 2	MERCURY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	18	20	0	360	20	20	1030	0 296816	0 435845	305 72	0 01	4 5	#N/A	#N/A	18	
CYANIDE	0 2	MERCURY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	82	18 48366	46 44959	1515 66	0 26	280	3232	0 123963	0 198296	400 65	0 1	5 5	0 77994	0 0001	74	*
CYANIDE	0 2	MERCURY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	82	18 48366	46 44959	1515 66	0 26	280	1030	0 296816	0 435845	305 72	0 01	4 5	#N/A	#N/A	1	
CYANIDE	0 2	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	18	20	0	360	20	20	6399	50 13064	681 1727	320786	0 02	24600	#N/A	#N/A	0	
CYANIDE	0 2	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	18	20	0	360	20	20	818	21.85697	53 28237	17879	1	590	#N/A	#N/A	18	
CYANIDE	0 2	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	82	18 48366	46 44959	1515 66	0 26	280	6399	50 13064	681 1727	320786	0 02	24600	0 84426	0 0001	82	*
CYANIDE	0 2	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	82	18 48366	46 44959	1515 66	0 26	280	818	21 85697	53 28237	17879	1	590	#N/A	#N/A	1	
CYANIDE	0 2	NITRATE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	18	20	0	360	20	20	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	18	
CYANIDE	0 2	NITRATE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	82	18 48366	46 44959	1515 66	0 26	280	5663	8 003763	38 93465	45325	0.001	1600	0 96637	0 0001	12	*
CYANIDE	0 2	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	18	20	0	360	20	20	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
CYANIDE	0 2	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	18	20	0	360	20	20	835	0 031742	0 183455	26.504833	0.001	5	#N/A	#N/A	0	
CYANIDE	0 2	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	82	18 48366	46 44959	1515 66	0 26	280	23214	0.037058	0 289409	860 264897	0 001	25	0 99464	0 0001	12	*
CYANIDE	0 2	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	82	18 48366	46 44959	1515 66	0 26	280	835	0 031742	0 183455	26.504833	0 001	5	#N/A	#N/A	0	
CYANIDE	0 2	PH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	18	20	0	360	20	20	43861	7.122161	0 878663	312385	0 1	12 8	#N/A	#N/A	17	
CYANIDE	0 2	PH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	82	18 48366	46 44959	1515 66	0 26	280	43861	7.122161	0 878663	312385	0 1	12 8	-0 00288	0 9806	74	
CYANIDE	0 2	RADIUM-226	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	18	20	0	360	20	20	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	18	20	0	360	20	20	154	1.227987	1 930945	189.11	0.02	14	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	18	20	0	360	20	20	230	0 280176	0 551313	64.4405	0 009	6 14	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	82	18 48366	46 44959	1515 66	0 26	280	99	1.289899	3 734492	127 7	0 1	31	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	82	18 48366	46 44959	1515 66	0 26	280	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	82	18 48366	46 44959	1515 66	0 26	280	230	0 280176	0.551313	64 4405	0 009	6.14	#N/A	#N/A	0	
CYANIDE	0 2	RADON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P76002	RADON 222-PE-P76002-(PCI/L)	18	20	0	360	20	20	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
CYANIDE	0 2	RADON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	18	20	0	360	20	20	4995	1162.253	3158 094	5805454	7	82082	#N/A	#N/A	0	
CYANIDE	0 2	RADON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P76002	RADON 222-PE-P76002-(PCI/L)	82	18 48366	46 44959	1515 66	0 26	280	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
CYANIDE	0 2	RADON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	82	18 48366	46.44959	1515 66	0 26	280	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
CYANIDE	0.2	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	18	20	0	360	20	20	7865	55 57754	657 8106	437117	1	27000	#N/A	#N/A	0	
CYANIDE	0 2	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	18	20	0	360	20	20	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	18	
CYANIDE	0 2	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	82	18 48366	46 44959	1515 66	0 26	280	7865	55 57754	657 8106	437117	1	27000	-0 02921	0 7996	78	
CYANIDE	0 2	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	82	18 48366	46 44959	1515 66	0 26	280	961	2 578564	3 089181	2478	1	31	0 98905	0 0014	5	*
CYANIDE	0 2	SULFATE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	18	20	0	360	20	20	26730	231 201	990 9965	6180003	0 03	37000	#N/A	#N/A	0	
CYANIDE	0 2	SULFATE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	82	18 48366	46 44959	1515 66	0 26	280	26730	231.201	990 9965	6180003	0 03	37000	0 72641	0 0001	81	*
CYANIDE	0 2	THALLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	18	20	0	360	20	20	848	9 369458	17.94903	7945 3	0 5	102	#N/A	#N/A	0	
CYANIDE	0 2	THALLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	18	20	0	360	20	20	350	4.434286	7 27558	1552	1	50	#N/A	#N/A	18	
CYANIDE	0 2	THALLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	82	18 48366	46 44959	1515 66	0 26	280	848	9.369458	17.94903	7945 3	0 5	102	-0 00264	0 9834	65	
CYANIDE	0 2	THALLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	82	18 48366	46 44959	1515 66	0 26	280	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	1	
CYANIDE	0 2	TURBIDITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	[illegible]	20	0	360	20	20	2359	23 36229	85 84469	55112	0 01	1000	#N/A	[illegible]	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0.2	TURBIDITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	82	18.48366	46.44959	1515.66	0.26	280	2359	23.36229	85.84469	55112	0.01	1000	0.96728	0.0004	7	*
CYANIDE	0.2	URANIUM-235	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	18	20	0	360	20	20	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-235	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	82	18.48366	46.44959	1515.66	0.26	280	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-238	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	18	20	0	360	20	20	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-238	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	82	18.48366	46.44959	1515.66	0.26	280	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
CYANIDE	0.2	WELL-DEPTH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	18	20	0	360	20	20	105993	257.8247	364.157	27327615	0.5	7106	#N/A	#N/A	18	
CYANIDE	0.2	WELL-DEPTH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	82	18.48366	46.44959	1515.66	0.26	280	105993	257.8247	364.157	27327615	0.5	7106	0.50489	0.0001	81	*
DEPTH-BELOW-LAN	0	ALKALINITY	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	18561	2322.994	304366	43117092	0.02	41465000	2642	204.9232	148.8865	541407	3	4500	-0.04201	0.1928	963	
DEPTH-BELOW-LAN	0	CONDUCTANCE	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	18561	2322.994	304366	43117092	0.02	41465000	56711	1443.287	4687.848	81850239	1	249000	0.01319	0.1183	14024	
DEPTH-BELOW-LAN	0	DISSOLVED-OXYGE	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	18561	2322.994	304366	43117092	0.02	41465000	21569	3.824813	7.578481	82497	0.1	545.4	-0.00781	0.5132	7004	
DEPTH-BELOW-LAN	0	PH	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	18561	2322.994	304366	43117092	0.02	41465000	43861	7.122161	0.878663	312385	0.1	12.8	-0.01838	0.0406	12417	*
DEPTH-BELOW-LAN	0	TURBIDITY	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00076	TURBIDITY-P00076-(NTU)	18561	2322.994	304366	43117092	0.02	41465000	2359	23.36229	85.84469	55112	0.01	1000	-0.01291	0.7066	852	
DISSOLVED-OXYGE	0	ALKALINITY	GROUND WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	21569	3.824813	7.578481	82497	0.1	545.4	2642	204.9232	148.8865	541407	3	4500	-0.09217	0.0081	824	*
DISSOLVED-OXYGE	0	CONDUCTANCE	GROUND WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	21569	3.824813	7.578481	82497	0.1	545.4	56711	1443.287	4687.848	81850239	1	249000	-0.05444	0.0001	21145	*
DISSOLVED-OXYGE	0	TURBIDITY	GROUND WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	21569	3.824813	7.578481	82497	0.1	545.4	2359	23.36229	85.84469	55112	0.01	1000	-0.02562	0.2972	1657	
DISSOLVED-SOLID	0	ALKALINITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	20725	1497.404	13499	31033701	6	319000	2642	204.9232	148.8865	541407	3	4500	0.28238	0.0001	1973	*
DISSOLVED-SOLID	0	CONDUCTANCE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	20725	1497.404	13499	31033701	6	319000	56711	1443.287	4687.848	81850239	1	249000	0.97808	0.0001	19725	*
DISSOLVED-SOLID	0	DEPTH-BELOW-LAN	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	20725	1497.404	13499	31033701	6	319000	18561	2322.994	304366	43117092	0.02	41465000	-0.00531	0.6668	6585	
DISSOLVED-SOLID	0	DISSOLVED-OXYGE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	20725	1497.404	13499	31033701	6	319000	21569	3.824813	7.578481	82497	0.1	545.4	-0.05528	0.0001	10696	*
DISSOLVED-SOLID	0	HARDNESS	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	20725	1497.404	13499	31033701	6	319000	25507	382.224	1096.769	9749388	1	28000	0.83607	0.0001	20635	*
DISSOLVED-SOLID	0	PH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	20725	1497.404	13499	31033701	6	319000	43861	7.122161	0.878663	312385	0.1	12.8	-0.02636	0.0002	19518	*
DISSOLVED-SOLID	0	TURBIDITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	20725	1497.404	13499	31033701	6	319000	2359	23.36229	85.84469	55112	0.01	1000	0.02483	0.2938	1790	
DISSOLVED-SOLID	0	WELL-DEPTH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	20725	1497.404	13499	31033701	6	319000	105993	257.8247	364.157	27327615	0.5	7106	-0.03112	0.0001	17886	*
DISSOLVED-SOLID	500	ALKALINITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	6557	4189.702	23777	27471879	500	319000	2642	204.9232	148.8865	541407	3	4500	0.24052	0.0001	1020	*
DISSOLVED-SOLID	500	ANTIMONY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	6557	4189.702	23777	27471879	500	319000	2940	7.838537	29.93498	23045	1	200	0.23155	0.0001	696	*
DISSOLVED-SOLID	500	ANTIMONY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	6557	4189.702	23777	27471879	500	319000	482	28.07158	61.3558	13531	1	200	0.10659	0.3694	73	
DISSOLVED-SOLID	500	ARSENIC	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	6557	4189.702	23777	27471879	500	319000	9943	9.090013	72.56837	90382	1	3800	0.03931	0.0478	2536	*
DISSOLVED-SOLID	500	ARSENIC	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	6557	4189.702	23777	27471879	500	319000	1294	17.47862	94.61877	22617	1	1400	0.1682	0.047	140	*
DISSOLVED-SOLID	500	BARIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	6557	4189.702	23777	27471879	500	319000	8200	120.7616	269.9694	990245	1	10000	-0.03514	0.0953	2255	
DISSOLVED-SOLID	500	BARIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	6557	4189.702	23777	27471879	500	319000	2	100	0	200	100	100	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BARIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	6557	4189.702	23777	27471879	500	319000	776	194.384	563.7236	150842	7	10000	-0.03819	0.7302	84	
DISSOLVED-SOLID	500	BERYLLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	6557	4189.702	23777	27471879	500	319000	6332	1.869	12.88026	11835	0.1	406	0.31588	0.0001	1630	*
DISSOLVED-SOLID	500	BERYLLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	6557	4189.702	23777	27471879	500	319000	627	3.52998	5.18639	2213.3	0.5	25	0.00725	0.942	103	
DISSOLVED-SOLID	500	CADMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	6557	4189.702	23777	27471879	500	319000	9321	7.570965	108.8909	70569	0.01	5675	0.06219	0.004	2141	*
DISSOLVED-SOLID	500	CADMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	6557	4189.702	23777	27471879	500	319000	1131	4.464633	8.25633	5049.5	1	100	0.25932	0.0034	126	*
DISSOLVED-SOLID	500	CHROMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	6557	4189.702	23777	27471879	500	319000	9790	9.877542	276.7559	96701	0.02	27300	0.01521	0.498	1986	
DISSOLVED-SOLID	500	CHROMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	6557	4189.702	23777	27471879	500	319000	952	13.00315	41.66239	12379	1	630	-0.06112	0.5975	77	
DISSOLVED-SOLID	500	CHROMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	6557	4189.702	23777	27471879	500	319000	1274	13.5	43.20096	17199	1	1100	-0.09372	0.2833	133	
DISSOLVED-SOLID	500	CONDUCTANCE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	6557	4189.702	23777	27471879	500	319000	56711	1443.287	4687.848	81850239	1	249000	0.97654	0.0001	6148	*
DISSOLVED-SOLID	500	CYANIDE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	6557	4189.702	23777	27471879	500	319000	565	0.650733	3.513117	367.664	0.001	20	0.26332	0.0095	96	*
DISSOLVED-SOLID	500	CYANIDE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	6557	4189.702	23777	27471879	500	319000	1396	1.095165	12.00667	1528.85	0.01	280	0.07327	0.3189	187	
DISSOLVED-SOLID	500	DEPTH-BELOW-LAN	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	6557	4189.702	23777	27471879	500	319000	18561	2322.994	304366	43117092	0.02	41465000	-0.01274	0.543	2283	
DISSOLVED-SOLID	500	DISSOLVED-OXYGE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	6557	4189.702	23777	27471879	500	319000	21569	3.824813	7.578481	82497	0.1	545.4	-0.04775	0.012	2770	*
DISSOLVED-SOLID	500	HARDNESS	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	6557	4189.702	23777	27471879	500	319000	25507	382.224	1096.769	9749388	1	28000	0.84348	0.0001	6508	*
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	6557	4189.702	23777	27471879	500	319000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	6557	4189.702	23777	27471879	500	319000	2327	12508	62820	29106465	10	960000	0.06452	0.1595	477	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	6557	4189.702	23777	27471879	500	319000	22424	2358.813	28780	52894030	0.1	2180000	0.07676	0.0001	5347	*
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01047	IRON-FERROUS-P01047-(UG/L)	6557	4189.702	23777	27471879	500	319000	195	55634	131042	10848720	0.01	864000	-0.08156	0.4526	87	
DISSOLVED-SOLID	500	MANGANESE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	6557	4189.702	23777	27471879	500	319000	7	9.28571	20.16362	65	1	55	-0.8818	0.0479	5	*
DISSOLVED-SOLID	500	MANGANESE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	6557	4189.702	23777	27471879	500	319000	1774	1132.239	6376.538	2008592	1	160000	0.5143	0.0001	190	*
DISSOLVED-SOLID	500	MANGANESE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	6557	4189.702	23777	27471879	500	319000	21991	1007.092	17820	22146953	0.01	1130000	0.09474	0.0001	5190	*
DISSOLVED-SOLID	500	MERCURY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	6557	4189.702	23777	27471879	500	319000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.00268	0.9408	770	
DISSOLVED-SOLID	500	MERCURY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	6557	4189.702	23777	27471879	500	319000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.07513	0.4419	107	
DISSOLVED-SOLID	500	NICKEL	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	6557	4189.702	23777	27471879	500	319000	6399	50.13064	681.1727	320786	0.02	24600	0.13411	0.0001	1476	*
DISSOLVED-SOLID	500	NICKEL	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	6557	4189.702	23777	27471879	500	319000	818	21.85697	53.28237	17879	1	590	0.08078	0.4104	106	
DISSOLVED-SOLID	500	NITRATE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	6557	4189.702	23777	27471879	500	319000	5663	8.003763	38.93465	45325	0.001	1600	0.10428	0.0007	1059	*
DISSOLVED-SOLID	500	NITRITE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	6557	4189.702	23777	27471879	500	319000	23214	0.037058	0.289409	860.264897	0.001	25	0.29211	0.0001	4335	*
DISSOLVED-SOLID	500	NITRITE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	6557	4189.702	23777	27471879	500	319000	835	0.031742	0.183455	26.504833	0.001	5	-0.08906	0.272	154	
DISSOLVED-SOLID	500	PH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	6557	4189.702	23777	27471879	500	319000	43861	7.122161	0.878663	312385	0.1	12.8	-0.10788	0.0001	5981	*
DISSOLVED-SOLID	500	RADIUM-226	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	6557	4189.702	23777	27471879	500	319000	99	1.289899	3.734492	127.7	0.1	31	0.46861	0.2415	8	
DISSOLVED-SOLID	500	RADIUM-226	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	6557	4189.702	23777	27471879	500	319000	154	1.227987	1.930945	189.11	0.02	14	0.9063	0.0001	20	*
DISSOLVED-SOLID	500	RADIUM-226	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	6557	4189.702	23777	27471879	500	319000	230	0.280176	0.551313	64.4405	0.009	6.14	0.77467	0.0007	15	*
DISSOLVED-SOLID	500	RADON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	6557	4189.702	23777	27471879	500	319000	4914	32.0677	18.5323	157581	7	250	0.048	0.204	702	
DISSOLVED-SOLID	500	RADON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	6557	4189.702	23777	27471879	500	319000	4995	1162.253	3158.094	5805454	7	82082	0.03277	0.3842	707	
DISSOLVED-SOLID	500	SELENIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	6557	4189.702	23777	27471879	500	319000	7865	55.57754	657.8106	437117	1	27000	0.11353	0.0001	2039	*
DISSOLVED-SOLID	500	SELENIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	6557	4189.702	23777	27471879	500	319000	961	2.578564	3.089181	2478	1	31	0.32546	0.0002	123	*
DISSOLVED-SOLID	500	SULFATE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	6557	4189.702	23777	27471879	500	319000	26730	231.201	990.9965	6180003	0.03	37000	0.35641	0.0001	6553	*
DISSOLVED-SOLID	500	THALLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	6557	4189.702	23777	27471879	500	319000	848	9.369458	17.94903	7945.3	0.5	102	0.0426	0.6739	100	
DISSOLVED-SOLID	500	THALLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	6557	4189.702	23777	27471879	500	319000	350	4.434286	7.27558	1552	1	50	-0.07542	0.5504	65	
DISSOLVED-SOLID	500	TURBIDITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	6557	4189.702	23777	27471879	500	319000	2359	23.36229	85.84469	55112	0.01	1000	-0.04806	0.3495	381	
DISSOLVED-SOLID	500	URANIUM-235	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	6557	4189.702	23777	27471879	500	319000	141	56.54043	200.9786	7972.2	0.1	1300	0.07419	0.5699	81	
DISSOLVED-SOLID	500	URANIUM-238	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	6557	4189.702	23777	27471879	500	319000	141	2844.557	18195	401083	0.1	210000	0.02383	0.8553	61	
DISSOLVED-SOLID	500	WELL-DEPTH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	6557	4189.702	23777	27471879	500	319000	105993	257.8247	364.157	27327815	0.5	7106	-0.06452	0.0001	5699	*
HARDNESS	0	ALKALINITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	25507	382.224	1096.769	9749388	1	28000	2642	204.9232	148.8865	541407	3	4500	0.16342	0.0001	2436	*
HARDNESS	0	CONDUCTANCE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	25507	382.224	1096.769	9749388	1	28000	56711	1443.287	4687.848	81850239	1	249000	0.69082	0.0001	24144	*
HARDNESS	0	DEPTH-BELOW-LAN	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	25507	382.224	1096.769	9749388	1	28000	18561	2322.994	304366	43117092	0.02	41465000	-0.0051	0.6571	7565	
HARDNESS	0	DISSOLVED-OXYGE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	25507	382.224	1096.769	9749388	1	28000	21569	3.824813	7.578481	82497	0.1	545.4	-0.07527	0.0001	12901	*
HARDNESS	0	PH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	25507	382.224	1096.769	9749388	1	28000	43861	7.122161	0.878663	312385	0.1	12.8	-0.04159	0.0001	23588	*
HARDNESS	0	TURBIDITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00076	TURBIDITY-P00076-(NTU)	25507	382.224	1096.769	9749388	1	28000	2359	23.36229	85.84469	55112	0.01	1000	0.07358	0.0005	2203	*
HARDNESS	0	WELL-DEPTH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	25507	382.224	1096.769	9749388	1	28000	105993	257.8247	364.157	27327815	0.5	7106	-0.02289	0.0008	21607	*
HARDNESS	300	ALKALINITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	8484	876.8155	1798.575	7438903	300	28000	2642	204.9232	148.8865	541407	3	4500	-0.00172	0.9585	920	
HARDNESS	300	ANTIMONY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	8484	876.8155	1798.575	7438903	300	28000	2940	7.838537	29.93498	23045	1	200	0.4551	0.0001	793	*
HARDNESS	300	ANTIMONY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	8484	876.8155	1798.575	7438903	300	28000	482	28.07158	61.3558	13531	1	200	-0.14643	0.1287	109	
HARDNESS	300	ARSENIC	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	8484	876.8155	1798.575	7438903	300	28000	9943	9.090013	72.56837	90382	1	3800	0.01498	0.4379	2684	
HARDNESS	300	ARSENIC	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	8484	876.8155	1798.575	7438903	300	28000	1294	17.47862	94.81877	22617	1	1400	-0.01692	0.8043	217	
HARDNESS	300	BARIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	8484	876.8155	1798.575	7438903	300	28000	8200	120.7616	269.9694	990245	1	10000	-0.07138	0.0002	2763	*
HARDNESS	300	BARIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	8484	876.8155	1798.575	7438903	300	28000	2	100	0	200	100	100	#N/A	#N/A	1	
HARDNESS	300	BARIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	8484	876.8155	1798.575	7438903	300	28000	776	194.384	563.7236	150842	7	10000	-0.06796	0.5017	100	
HARDNESS	300	BERYLLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	8484	876.8155	1798.575	7438903	300	28000	6332	1.869	12.88026	11835	0.1	406	0.42844	0.0001	2218	*
HARDNESS	300	BERYLLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	8484	876.8155	1798.575	7438903	300	28000	627	3.52998	5.18639	2213.3	0.5	25	0.08026	0.3424	142	
HARDNESS	300	CADMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	8484	876.8155	1798.575	7438903	300	28000	9321	7.570965	108.8909	70569	0.01	5675	0.19676	0.0001	2978	*
HARDNESS	300	CADMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	[illegible]	876.8155	1798.575	7438903	300	28000	1131	4.464633	6.25633	5049.5	1	100	0.13973	[illegible]	159	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
HARDNESS	300	CHROMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	8484	876 8155	1798 575	7438903	300	28000	9790	9 877542	276.7559	96701	0 02	27300	0 01697	0 3718	2771	
HARDNESS	300	CHROMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	8484	876 8155	1798 575	7438903	300	28000	952	13 00315	41 66239	12379	1	630	0 00977	0 9379	66	
HARDNESS	300	CHROMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	8484	876 8155	1798 575	7438903	300	28000	1274	13 5	43 20096	17199	1	1100	-0 05683	0 4229	201	
HARDNESS	300	CONDUCTANCE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	8484	876 8155	1798 575	7438903	300	28000	56711	1443 287	4687.848	81850239	1	249000	0 67694	0 0001	7958	*
HARDNESS	300	CYANIDE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	8484	876 8155	1798 575	7438903	300	28000	565	0 650733	3 513117	367 664	0 001	20	0 30319	0 0015	107	*
HARDNESS	300	CYANIDE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	8484	876 8155	1798 575	7438903	300	28000	1396	1.095165	12 00667	1528 85	0 01	280	0.76976	0 0001	179	*
HARDNESS	300	DEPTH-BELOW-LAN	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	8484	876 8155	1798 575	7438903	300	28000	18561	2322 994	304368	43117092	0 02	41465000	-0 0074	0 6847	3013	
HARDNESS	300	DISSOLVED-OXYGE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	8484	876 8155	1798 575	7438903	300	28000	21569	3 824813	7 578481	82497	0 1	545 4	-0 02926	0 0654	3968	
HARDNESS	300	DISSOLVED-SOLID	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	8484	876 8155	1798 575	7438903	300	28000	20725	1497 404	13499	31033701	6	319000	0 8481	0 0001	6923	*
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	8484	876 8155	1798 575	7438903	300	28000	2	620	678 8225	1240	140	1100	#N/A	#N/A	1	
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	8484	876 8155	1798 575	7438903	300	28000	2327	12508	62820	29106465	10	960000	0 38783	0 0001	622	*
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	8484	876 8155	1798 575	7438903	300	28000	22424	2358 813	28780	52894030	0 1	2180000	0 20117	0 0001	6810	*
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01047	IRON-FERROUS-P01047-(UG/L)	8484	876 8155	1798 575	7438903	300	28000	195	55634	131042	10848720	0 01	864000	0 16269	0 0295	142	*
HARDNESS	300	MANGANESE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	8484	876 8155	1798 575	7438903	300	28000	7	9 28571	20 16362	65	1	55	#N/A	#N/A	1	
HARDNESS	300	MANGANESE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	8484	876 8155	1798 575	7438903	300	28000	1774	1132 239	6376 536	2008592	1	160000	0.48698	0 0001	311	*
HARDNESS	300	MANGANESE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	8484	876 8155	1798 575	7438903	300	28000	21991	1007 092	17620	22146953	0 01	1130000	0.25654	0 0001	6510	*
HARDNESS	300	MERCURY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	8484	876 8155	1798 575	7438903	300	28000	3232	0.123963	0 198296	400 65	0.1	5.5	0 09455	0.0022	1043	*
HARDNESS	300	MERCURY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	8484	876 8155	1798 575	7438903	300	28000	1030	0 296816	0 435845	305 72	0 01	4 5	-0.03644	0 6713	138	
HARDNESS	300	NICKEL	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	8484	876 8155	1798 575	7438903	300	28000	6399	50 13064	681.1727	320788	0.02	24600	0.30023	0 0001	2205	*
HARDNESS	300	NICKEL	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	8484	876 8155	1798 575	7438903	300	28000	818	21.85697	53 28237	17879	1	590	0 23499	0 0037	151	*
HARDNESS	300	NITRATE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	8484	876 8155	1798 575	7438903	300	28000	5663	8 003783	38 93465	45325	0 001	1600	0 08759	0 0019	1254	*
HARDNESS	300	NITRITE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	8484	876 8155	1798 575	7438903	300	28000	23214	0 037058	0 289409	860 264897	0.001	25	0.28697	0 0001	5196	*
HARDNESS	300	NITRITE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	8484	876 8155	1798 575	7438903	300	28000	835	0 031742	0.183455	26 504833	0 001	5	-0.12571	0.0704	208	
HARDNESS	300	PH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	8484	876 8155	1798 575	7438903	300	28000	43861	7.122161	0.878663	312385	0 1	12 8	-0 17777	0 0001	7610	*
HARDNESS	300	RADIUM-226	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	99	1 289899	3 734492	127.7	0 1	31	0.50739	0 4926	4	
HARDNESS	300	RADIUM-226	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	154	1.227987	1.930945	189.11	0 02	14	0.96951	0 0014	6	*
HARDNESS	300	RADIUM-226	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	230	0.280176	0 551313	64 4405	0 009	6.14	0 90703	0 0003	10	*
HARDNESS	300	RADON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P76002	RADON 222-PE-P76002-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	4914	32 0677	18 5323	157581	7	250	0.38287	0 0001	1018	*
HARDNESS	300	RADON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	4995	1162.253	3158 094	5805454	7	82082	0.40257	0 0001	1022	*
HARDNESS	300	SELENIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	8484	876 8155	1798 575	7438903	300	28000	7865	55.57754	657.8106	437117	1	27000	0 11987	0 0001	2343	*
HARDNESS	300	SELENIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	8484	876 8155	1798 575	7438903	300	28000	961	2 578564	3.089181	2478	1	31	0.4948	0.0001	168	*
HARDNESS	300	SULFATE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	8484	876 8155	1798 575	7438903	300	28000	26730	231.201	990 9965	6180003	0 03	37000	0 59431	0 0001	7987	*
HARDNESS	300	THALLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	8484	876 8155	1798 575	7438903	300	28000	648	9.369458	17.94903	7945.3	0.5	102	-0 04113	0 6755	106	
HARDNESS	300	THALLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	8484	876 8155	1798 575	7438903	300	28000	350	4 434286	7.27558	1552	1	50	-0 14578	0 1398	104	
HARDNESS	300	TURBIDITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P00078	TURBIDITY-P00078-(NTU)	8484	876 8155	1798 575	7438903	300	28000	2359	23 38229	85 84469	55112	0 01	1000	0.02165	0 5948	806	
HARDNESS	300	URANIUM-235	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	141	56 54043	200 9786	7972 2	0 1	1300	0 54838	0 0001	71	*
HARDNESS	300	URANIUM-238	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	8484	876 8155	1798 575	7438903	300	28000	141	2844.557	18195	401083	0 1	210000	0 26444	0 0258	71	*
HARDNESS	300	WELL-DEPTH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	P72008	DEPTH OF WELL-P72008-(FEET)	8484	876 8155	1798 575	7438903	300	28000	105993	257 8247	364 157	27327615	0 5	7106	-0 00746	0 5258	7241	
IRON	0	ALKALINITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	620	678 8225	1240	140	1100	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
IRON	0	ALKALINITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2327	12508	62820	29106465	10	960000	2642	204 9232	148 8865	541407	3	4500	-0 09712	0 819	8	
IRON	0	ALKALINITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	22424	2358 813	28780	52894030	0.1	2180000	2642	204 9232	148 8865	541407	3	4500	0 0822	0 0003	1939	*
IRON	0	ALKALINITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	195	55634	131042	10848720	0.01	864000	2642	204.9232	148 8865	541407	3	4500	0 6878	0 5172	3	
IRON	0	CONDUCTANCE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	620	678 8225	1240	140	1100	56711	1443 287	4687.848	81850239	1	249000	1	#N/A	2	
IRON	0	CONDUCTANCE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2327	12508	62820	29106465	10	960000	56711	1443.287	4687 848	81850239	1	249000	0 08393	0 0004	1781	*
IRON	0	CONDUCTANCE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	22424	2358.813	28780	52894030	0.1	2180000	56711	1443.287	4687.848	81850239	1	249000	0 07	0 0001	21183	*
IRON	0	CONDUCTANCE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	195	55634	131042	10848720	0.01	864000	56711	1443 287	4687.848	81850239	1	249000	-0 02594	0 7169	195	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	620	678 8225	1240	140	1100	18561	2322.994	304366	43117092	0 02	41465000	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2327	12508	62820	29106465	10	960000	18561	2322.994	304366	43117092	0 02	41465000	-0 02178	0 5806	646	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	22424	2358.813	28780	52894030	0.1	2180000	18561	2322.994	304366	43117092	0 02	41465000	-0 00354	0 7704	6798	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	195	55634	131042	10848720	0 01	864000	18561	2322 994	304366	43117092	0 02	41465000	-0 08701	0 3102	138	
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	620	678.8225	1240	140	1100	21569	3.824813	7.578481	82497	0 1	545 4	#N/A	#N/A	1	
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2327	12508	62820	29106465	10	960000	21569	3 824813	7.578481	82497	0 1	545 4	-0 16066	0 0001	962	*
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	22424	2358.813	28780	52894030	0 1	2180000	21569	3.824813	7 578481	82497	0 1	545 4	-0.03377	0 0002	12228	*
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	195	55634	131042	10848720	0 01	864000	21569	3.824813	7.578481	82497	0 1	545.4	-0.1257	0 1389	140	
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	620	678 8225	1240	140	1100	20725	1497.404	13499	31033701	6	319000	1	#N/A	2	
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2327	12508	62820	29106465	10	960000	20725	1497.404	13499	31033701	6	319000	0 10348	0 0003	1207	*
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	22424	2358 813	28780	52894030	0.1	2180000	20725	1497.404	13499	31033701	6	319000	0 09306	0 0001	18051	*
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	195	55634	131042	10848720	0 01	864000	20725	1497.404	13499	31033701	6	319000	0 01622	0 8243	151	
IRON	0	HARDNESS	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	620	678 8225	1240	140	1100	25507	382 224	1096 769	9749388	1	28000	1	#N/A	2	
IRON	0	HARDNESS	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2327	12508	62820	29106465	10	960000	25507	382 224	1096 769	9749388	1	28000	0 41351	0 0001	1507	*
IRON	0	HARDNESS	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	22424	2358 813	28780	52894030	0 1	2180000	25507	382 224	1096.769	9749388	1	28000	0 218	0 0001	21335	*
IRON	0	HARDNESS	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	195	55634	131042	10848720	0 01	864000	25507	382 224	1096 769	9749388	1	28000	0 22663	0 0027	173	*
IRON	0	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	620	678 8225	1240	140	1100	7	9 28571	20 16362	65	1	55	1	#N/A	2	
IRON	0	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	620	678.8225	1240	140	1100	1774	1132 239	6376 538	2008592	1	160000	1	#N/A	2	
IRON	0	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	620	678 8225	1240	140	1100	21991	1007 092	17620	22146953	0 01	1130000	1	#N/A	2	
IRON	0	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2327	12508	62820	29106465	10	960000	7	9 28571	20.16362	65	1	55	1	#N/A	2	
IRON	0	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2327	12508	62820	29106465	10	960000	1774	1132 239	6376 538	2008592	1	160000	0 63989	0 0001	1729	*
IRON	0	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2327	12508	62820	29106465	10	960000	21991	1007.092	17620	22146953	0 01	1130000	0 65693	0 0001	948	*
IRON	0	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	22424	2358 813	28780	52894030	0 1	2180000	7	9 28571	20 16362	65	1	55	-0 63498	0 1255	7	
IRON	0	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	22424	2358 813	28780	52894030	0 1	2180000	1774	1132 239	6376 538	2008592	1	160000	0 63082	0 0001	886	*
IRON	0	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	22424	2358 813	28780	52894030	0 1	2180000	21991	1007 092	17620	22146953	0 01	1130000	0 60291	0 0001	21732	*
IRON	0	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	195	55634	131042	10848720	0 01	864000	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	195	55634	131042	10848720	0 01	864000	1774	1132 239	6376 538	2008592	1	160000	0 91176	0 0001	116	*
IRON	0	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	195	55634	131042	10848720	0 01	864000	21991	1007 092	17620	22146953	0 01	1130000	0 92386	0 0001	174	*
IRON	0	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	620	678 8225	1240	140	1100	3232	0 123963	0 198296	400 65	0 1	5 5	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	620	678 8225	1240	140	1100	1030	0 296816	0 435845	305 72	0 01	4 5	#N/A	#N/A	2	
IRON	0	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2327	12508	62820	29106465	10	960000	3232	0 123963	0 198296	400 65	0 1	5 5	-0 06333	0 3035	266	
IRON	0	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2327	12508	62820	29106465	10	960000	1030	0 296816	0 435845	305 72	0 01	4 5	0 16631	0 0001	924	*
IRON	0	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	22424	2358 813	28780	52894030	0 1	2180000	3232	0 123963	0 198296	400 65	0 1	5 5	-0 01104	0 5513	2914	
IRON	0	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	22424	2358 813	28780	52894030	0 1	2180000	1030	0 296816	0 435845	305 72	0 01	4 5	-0 01762	0 819	171	
IRON	0	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	195	55634	131042	10848720	0 01	864000	3232	0 123963	0 198296	400 65	0 1	5 5	#N/A	#N/A	39	
IRON	0	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	195	55634	131042	10848720	0 01	864000	1030	0 296816	0 435845	305 72	0 01	4 5	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2	620	678 8225	1240	140	1100	6399	50 13064	681.1727	320786	0 02	24600	#N/A	#N/A	2	
IRON	0	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	620	678 8225	1240	140	1100	818	21.85697	53 28237	17879	1	590	#N/A	#N/A	2	
IRON	0	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2327	12508	62820	29106465	10	960000	6399	50 13064	681 1727	320786	0 02	24600	0 6974	0 0001	556	*
IRON	0	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2327	12508	62820	29106465	10	960000	818	21.85697	53 28237	17879	1	590	0 46814	0 0001	713	*
IRON	0	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	22424	2358 813	28780	52894030	0 1	2180000	6399	50 13064	681 1727	320786	0 02	24600	0 56519	0 0001	8154	*
IRON	0	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	22424	2358 813	28780	52894030	0 1	2180000	818	21 85697	53 28237	17879	1	590	0 15849	0 0081	278	*
IRON	0	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	195	55634	131042	10848720	0 01	864000	6399	50 13064	681.1727	320786	0 02	24600	0 80815	0 0001	75	*
IRON	0	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	195	55634	131042	10848720	0 01	864000	818	21.85697	53 28237	17879	1	590	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	[redacted]	620	678 8225	1240	140	1100	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	[redacted]	0	
IRON	0	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	[redacted]	620	678 8225	1240	140	1100	835	0 031742	0 183455	26 504833	0 001	5	#N/A	[redacted]	0	

VTAG	VTHREG	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2327	12508	62820	29106465	10	960000	23214	0.037058	0.289409	860.264897	0.001	25	0.0167	0.5794	1104	
IRON	0	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2327	12508	62820	29106465	10	960000	835	0.031742	0.183455	26.504833	0.001	5	0.00678	0.9116	271	
IRON	0	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	22424	2358.813	28780	52894030	0.1	2180000	23214	0.037058	0.289409	860.264897	0.001	25	-0.00515	0.5056	16708	
IRON	0	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	22424	2358.813	28780	52894030	0.1	2180000	835	0.031742	0.183455	26.504833	0.001	5	-0.1015	0.0878	284	
IRON	0	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	195	55634	131042	10848720	0.01	884000	23214	0.037058	0.289409	860.264897	0.001	25	0.04512	0.5822	151	
IRON	0	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	195	55634	131042	10848720	0.01	884000	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
IRON	0	PH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	620	678.8225	1240	140	1100	43861	7.122161	0.878663	312385	0.1	12.8	1	#N/A	2	
IRON	0	PH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2327	12508	62820	29106465	10	960000	43861	7.122161	0.878663	312385	0.1	12.8	-0.24982	0.0001	1929	*
IRON	0	PH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	22424	2358.813	28780	52894030	0.1	2180000	43861	7.122161	0.878663	312385	0.1	12.8	-0.12495	0.0001	20859	*
IRON	0	PH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	195	55634	131042	10848720	0.01	884000	43861	7.122161	0.878663	312385	0.1	12.8	-0.46401	0.0001	195	*
IRON	0	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2	620	678.8225	1240	140	1100	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	620	678.8225	1240	140	1100	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	2	
IRON	0	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2327	12508	62820	29106465	10	960000	7865	55.57754	657.8106	437117	1	27000	-0.11274	0.0223	411	*
IRON	0	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2327	12508	62820	29106465	10	960000	961	2.578564	3.089181	2478	1	31	0.09146	0.0083	831	*
IRON	0	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	22424	2358.813	28780	52894030	0.1	2180000	7865	55.57754	657.8106	437117	1	27000	-0.00529	0.6556	7116	
IRON	0	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	22424	2358.813	28780	52894030	0.1	2180000	961	2.578564	3.089181	2478	1	31	0.31147	0.0001	277	*
IRON	0	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	195	55634	131042	10848720	0.01	884000	7865	55.57754	657.8106	437117	1	27000	0.42759	0.0001	77	*
IRON	0	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	195	55634	131042	10848720	0.01	884000	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	620	678.8225	1240	140	1100	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	620	678.8225	1240	140	1100	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2327	12508	62820	29106465	10	960000	848	9.369458	17.94903	7945.3	0.5	102	0.0331	0.5353	353	
IRON	0	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2327	12508	62820	29106465	10	960000	350	4.434286	7.27558	1552	1	50	0.16045	0.0037	326	*
IRON	0	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	22424	2358.813	28780	52894030	0.1	2180000	848	9.369458	17.94903	7945.3	0.5	102	0.24802	0.0001	569	*
IRON	0	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	22424	2358.813	28780	52894030	0.1	2180000	350	4.434286	7.27558	1552	1	50	-0.02136	0.7717	187	
IRON	0	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	195	55634	131042	10848720	0.01	884000	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	195	55634	131042	10848720	0.01	884000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
IRON	0	TURBIDITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	2	620	678.8225	1240	140	1100	2359	23.36229	85.84469	55112	0.01	1000	-1	#N/A	2	
IRON	0	TURBIDITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	2327	12508	62820	29106465	10	960000	2359	23.36229	85.84469	55112	0.01	1000	0.15432	0.0161	243	*
IRON	0	TURBIDITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	22424	2358.813	28780	52894030	0.1	2180000	2359	23.36229	85.84469	55112	0.01	1000	0.03352	0.1309	2032	
IRON	0	TURBIDITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	195	55634	131042	10848720	0.01	884000	2359	23.36229	85.84469	55112	0.01	1000	0.02977	0.8759	30	
IRON	0	WELL-DEPTH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	2	620	678.8225	1240	140	1100	105993	257.8247	364.157	27327615	0.5	7106	#N/A	#N/A	1	
IRON	0	WELL-DEPTH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	2327	12508	62820	29106465	10	960000	105993	257.8247	364.157	27327615	0.5	7106	-0.10774	0.0001	1913	*
IRON	0	WELL-DEPTH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	22424	2358.813	28780	52894030	0.1	2180000	105993	257.8247	364.157	27327615	0.5	7106	-0.03399	0.0001	19212	*
IRON	0	WELL-DEPTH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	195	55634	131042	10848720	0.01	884000	105993	257.8247	364.157	27327615	0.5	7106	-0.09168	0.3034	128	
IRON	300	ALKALINITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	1100	#N/A	1100	1100	1100	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
IRON	300	ALKALINITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1198	24222	85938	29018195	300	960000	2642	204.9232	148.8865	541407	3	4500	-0.10691	0.8195	7	
IRON	300	ALKALINITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5439	9639.99	57839	52431906	300	2180000	2642	204.9232	148.8865	541407	3	4500	-0.0439	0.5422	195	
IRON	300	ALKALINITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	127	85393	154531	10844906	310	884000	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	1100	#N/A	1100	1100	1100	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	1100	#N/A	1100	1100	1100	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1198	24222	85938	29018195	300	960000	2940	7.838537	29.93498	23045	1	200	0.11669	0.1495	154	
IRON	300	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1198	24222	85938	29018195	300	960000	482	28.07158	61.3558	13531	1	200	0.18661	0.0052	223	*
IRON	300	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5439	9639.99	57839	52431906	300	2180000	2940	7.838537	29.93498	23045	1	200	0.67599	0.0001	569	*
IRON	300	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5439	9639.99	57839	52431906	300	2180000	482	28.07158	61.3558	13531	1	200	-0.17913	0.1825	57	
IRON	300	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	127	85393	154531	10844906	310	884000	2940	7.838537	29.93498	23045	1	200	0.29374	0.0167	66	*
IRON	300	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	127	85393	154531	10844906	310	884000	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	1100	#N/A	1100	1100	1100	9943	9 090013	72 56837	90382	1	3800	#N/A	#N/A	0	
IRON	300	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	1100	#N/A	1100	1100	1100	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	1	
IRON	300	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1198	24222	85938	29018195	300	960000	9943	9 090013	72 56837	90382	1	3800	-0 13885	0 0341	233	*
IRON	300	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1198	24222	85938	29018195	300	960000	1294	17.47862	94 81877	22617	1	1400	0 05456	0 2156	517	
IRON	300	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	5439	9639 99	57839	52431906	300	2180000	9943	9 090013	72 56837	90382	1	3800	-0 01778	0 4507	1802	
IRON	300	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	5439	9639 99	57839	52431906	300	2180000	1294	17 47862	94 81877	22617	1	1400	0 07283	0 403	134	
IRON	300	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	127	85393	154531	10844906	310	864000	9943	9 090013	72 56837	90382	1	3800	0 61157	0 0001	62	*
IRON	300	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	127	85393	154531	10844906	310	864000	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	1100	#N/A	1100	1100	1100	8200	120 7616	269 9694	990245	1	10000	#N/A	#N/A	1	
IRON	300	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	1100	#N/A	1100	1100	1100	2	100	0	200	100	100	#N/A	#N/A	1	
IRON	300	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	1100	#N/A	1100	1100	1100	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1198	24222	85938	29018195	300	960000	8200	120.7616	269 9694	990245	1	10000	-0 20594	0 0003	308	*
IRON	300	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1198	24222	85938	29018195	300	960000	2	100	0	200	100	100	#N/A	#N/A	1	
IRON	300	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1198	24222	85938	29018195	300	960000	776	194.384	563 7236	150842	7	10000	0 29599	0 0001	479	*
IRON	300	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5439	9639 99	57839	52431906	300	2180000	8200	120.7616	269 9694	990245	1	10000	-0 01629	0 4648	2018	
IRON	300	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5439	9639 99	57839	52431906	300	2180000	2	100	0	200	100	100	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5439	9639 99	57839	52431906	300	2180000	776	194 384	563 7236	150842	7	10000	-0 07954	0 5638	55	
IRON	300	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	127	85393	154531	10844906	310	864000	8200	120.7616	269 9694	990245	1	10000	-0 33236	0 0026	80	*
IRON	300	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	127	85393	154531	10844906	310	864000	2	100	0	200	100	100	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	127	85393	154531	10844906	310	864000	776	194.384	563 7236	150842	7	10000	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	1100	#N/A	1100	1100	1100	6332	1 869	12 88026	11835	0 1	406	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	1100	#N/A	1100	1100	1100	627	3.52998	5 18639	2213.3	0 5	25	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1198	24222	85938	29018195	300	960000	6332	1 869	12 88026	11835	0 1	406	0 6338	0 0001	242	*
IRON	300	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1198	24222	85938	29018195	300	960000	627	3 52998	5 18639	2213 3	0 5	25	0 42635	0 0001	275	*
IRON	300	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5439	9639 99	57839	52431906	300	2180000	6332	1 869	12 88026	11835	0.1	406	0 58574	0 0001	1673	*
IRON	300	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5439	9639 99	57839	52431906	300	2180000	627	3 52998	5.18639	2213.3	0 5	25	0 09514	0 4583	63	
IRON	300	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	127	85393	154531	10844906	310	864000	6332	1.869	12 88026	11835	0.1	406	0 72511	0 0001	66	*
IRON	300	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	127	85393	154531	10844906	310	864000	627	3 52998	5 18639	2213.3	0.5	25	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	1100	#N/A	1100	1100	1100	9321	7.570965	108 8909	70569	0 01	5675	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	1100	#N/A	1100	1100	1100	1131	4 464633	6 25633	5049 5	1	100	#N/A	#N/A	1	
IRON	300	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1198	24222	85938	29018195	300	960000	9321	7.570965	108 8909	70569	0 01	5675	0 01794	0 7692	270	
IRON	300	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1198	24222	85938	29018195	300	960000	1131	4.464633	6 25633	5049.5	1	100	0 33539	0 0001	545	*
IRON	300	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5439	9639 99	57839	52431906	300	2180000	9321	7 570965	108 8909	70569	0 01	5675	0 08541	0 0001	2107	*
IRON	300	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5439	9639 99	57839	52431906	300	2180000	1131	4.464633	6 25633	5049 5	1	100	0 23103	0 0323	86	*
IRON	300	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	127	85393	154531	10844906	310	864000	9321	7 570965	108 8909	70569	0 01	5675	0 25902	0 0357	60	*
IRON	300	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	127	85393	154531	10844906	310	864000	1131	4 464633	6 25633	5049.5	1	100	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	1100	#N/A	1100	1100	1100	9790	9 877542	276 7559	96701	0 02	27300	#N/A	#N/A	1	
IRON	300	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	1100	#N/A	1100	1100	1100	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	1100	#N/A	1100	1100	1100	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	1	
IRON	300	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1198	24222	85938	29018195	300	960000	9790	9 877542	276 7559	96701	0 02	27300	-0 00845	0 8807	318	
IRON	300	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1198	24222	85938	29018195	300	960000	952	13.00315	41 66239	12379	1	630	-0 11573	0 6936	14	
IRON	300	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1198	24222	85938	29018195	300	960000	1274	13.5	43 20096	17199	1	1100	0 74209	0 0001	610	*
IRON	300	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5439	9639 99	57839	52431906	300	2180000	9790	9.877542	276 7559	96701	0 02	27300	0 01633	0 4774	1895	
IRON	300	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5439	9639 99	57839	52431906	300	2180000	952	13.00315	41 66239	12379	1	630	0 06989	0 9111	5	
IRON	300	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5439	9639 99	57839	52431906	300	2180000	1274	13 5	43 20096	17199	1	1100	0 02795	0 7869	96	
IRON	300	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	[illegible]	5393	154531	10844906	310	864000	9790	9.877542	276 7559	96701	0 02	27300	0 15257	[illegible]	66	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	127	85393	154531	10844906	310	864000	952	13 00315	41.66239	12379	1	630	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	127	85393	154531	10844906	310	864000	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	0	
IRON	300	CONDUCTANCE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	1100	#N/A	1100	1100	1100	56711	1443 287	4687 848	81850239	1	249000	#N/A	#N/A	1	
IRON	300	CONDUCTANCE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1198	24222	85938	29018195	300	960000	56711	1443.287	4687 848	81850239	1	249000	0 078	0 02	889	*
IRON	300	CONDUCTANCE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5439	9639 99	57839	52431906	300	2180000	56711	1443.287	4687 848	81850239	1	249000	0 09268	0 0001	5126	*
IRON	300	CONDUCTANCE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	127	85393	154531	10844906	310	864000	56711	1443 287	4687.848	81850239	1	249000	-0 05148	0 5654	127	
IRON	300	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	1100	#N/A	1100	1100	1100	565	0 650733	3 513117	367 664	0 001	20	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	1100	#N/A	1100	1100	1100	1396	1.095165	12 00667	1528.85	0 01	280	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1198	24222	85938	29018195	300	960000	565	0 650733	3 513117	367.664	0 001	20	0 29527	0 0001	250	*
IRON	300	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1198	24222	85938	29018195	300	960000	1396	1.095165	12 00667	1528 85	0 01	280	-0 0097	0 9315	81	
IRON	300	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5439	9639 99	57839	52431906	300	2180000	565	0 650733	3.513117	367.664	0 001	20	0 12622	0 4316	41	
IRON	300	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5439	9639.99	57839	52431906	300	2180000	1396	1.095165	12 00667	1528 85	0.01	280	-0 08675	0 3932	99	
IRON	300	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	127	85393	154531	10844906	310	864000	565	0 650733	3.513117	367 664	0 001	20	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	127	85393	154531	10844906	310	864000	1396	1.095165	12 00667	1528 85	0 01	280	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	1100	#N/A	1100	1100	1100	18561	2322.994	304366	43117092	0 02	41465000	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1198	24222	85938	29018195	300	960000	18561	2322 994	304366	43117092	0 02	41465000	-0.03193	0.5011	446	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5439	9639 99	57839	52431906	300	2180000	18561	2322 994	304366	43117092	0.02	41465000	-0 00917	0 6747	2099	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	127	85393	154531	10844906	310	864000	18561	2322.994	304366	43117092	0.02	41465000	-0 12021	0.2219	105	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	1100	#N/A	1100	1100	1100	21569	3 824813	7 578481	82497	0 1	545 4	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1198	24222	85938	29018195	300	960000	21569	3 824813	7.578481	82497	0 1	545 4	-0.13319	0 0014	575	*
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5439	9639 99	57839	52431906	300	2180000	21569	3 824813	7.578481	82497	0 1	545 4	-0 00014	0 9937	3177	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	127	85393	154531	10844906	310	864000	21569	3.824813	7.578481	82497	0 1	545 4	-0 0558	0 5932	94	
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	1100	#N/A	1100	1100	1100	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	1	
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1198	24222	85938	29018195	300	960000	20725	1497.404	13499	31033701	6	319000	0.10338	0.0134	572	*
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5439	9639 99	57839	52431906	300	2180000	20725	1497.404	13499	31033701	6	319000	0 15045	0 0001	3620	*
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	127	85393	154531	10844906	310	864000	20725	1497.404	13499	31033701	6	319000	0.00705	0 9436	103	
IRON	300	HARDNESS	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	1100	#N/A	1100	1100	1100	25507	382 224	1096 769	9749388	1	28000	#N/A	#N/A	1	
IRON	300	HARDNESS	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1198	24222	85938	29018195	300	960000	25507	382 224	1096 769	9749388	1	28000	0 40579	0 0001	716	*
IRON	300	HARDNESS	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5439	9639 99	57839	52431906	300	2180000	25507	382 224	1096 769	9749388	1	28000	0 31621	0 0001	5302	*
IRON	300	HARDNESS	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	127	85393	154531	10844906	310	864000	25507	382 224	1096 769	9749388	1	28000	0 18093	0 047	121	*
IRON	300	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	1100	#N/A	1100	1100	1100	7	9 28571	20 16362	65	1	55	#N/A	#N/A	1	
IRON	300	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	1100	#N/A	1100	1100	1100	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
IRON	300	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	1100	#N/A	1100	1100	1100	21991	1007.092	17620	22146953	0 01	1130000	#N/A	#N/A	1	
IRON	300	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1198	24222	85938	29018195	300	960000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	1	
IRON	300	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1198	24222	85938	29018195	300	960000	1774	1132 239	6376 538	2008592	1	160000	0.83732	0 0001	975	*
IRON	300	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1198	24222	85938	29018195	300	960000	21991	1007.092	17620	22146953	0 01	1130000	0.64984	0 0001	498	*
IRON	300	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5439	9639 99	57839	52431906	300	2180000	7	9 28571	20 16362	65	1	55	0 40825	0 495	5	
IRON	300	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5439	9639 99	57839	52431906	300	2180000	1774	1132 239	6376 538	2008592	1	160000	0 60725	0 0001	331	*
IRON	300	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5439	9639 99	57839	52431906	300	2180000	21991	1007 092	17620	22146953	0 01	1130000	0.60253	0 0001	5341	*
IRON	300	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	127	85393	154531	10844906	310	864000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	127	85393	154531	10844906	310	864000	1774	1132 239	6376 538	2008592	1	160000	0 90662	0 0001	99	*
IRON	300	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	127	85393	154531	10844906	310	864000	21991	1007.092	17620	22146953	0.01	1130000	0.91642	0 0001	121	*
IRON	300	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	1100	#N/A	1100	1100	1100	3232	0.123963	0.198296	400.65	0 1	5 5	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	1100	#N/A	1100	1100	1100	1030	0.296816	0.435845	305.72	0 01	4 5	#N/A	#N/A	1	
IRON	300	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1198	24222	85938	29018195	300	960000	3232	0.123963	0.198296	400.65	0 1	5 5	-0 17917	0 0376	135	*
IRON	300	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1198	24222	85938	29018195	300	960000	1030	0.296816	0.435845	305.72	0.01	4 5	0.14635	0 0008	523	*

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5439	9639.99	57839	52431906	300	2180000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.01544	0.6471	881	
IRON	300	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5439	9639.99	57839	52431906	300	2180000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.06135	0.7519	29	
IRON	300	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	127	85393	154531	10844906	310	864000	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	37	
IRON	300	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	127	85393	154531	10844906	310	864000	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	1100	#N/A	1100	1100	1100	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	1	
IRON	300	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	1100	#N/A	1100	1100	1100	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	1	
IRON	300	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1198	24222	85938	29018195	300	960000	6399	50.13064	681.1727	320786	0.02	24600	0.89123	0.0001	286	*
IRON	300	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1198	24222	85938	29018195	300	960000	818	21.85697	53.28237	17879	1	590	0.45178	0.0001	369	*
IRON	300	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5439	9639.99	57839	52431906	300	2180000	6399	50.13064	681.1727	320786	0.02	24600	0.56228	0.0001	1638	*
IRON	300	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5439	9639.99	57839	52431906	300	2180000	818	21.85697	53.28237	17879	1	590	0.13717	0.1758	99	
IRON	300	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	127	85393	154531	10844906	310	864000	6399	50.13064	681.1727	320786	0.02	24600	0.78866	0.0001	66	*
IRON	300	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	127	85393	154531	10844906	310	864000	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
IRON	300	NITRATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	1100	#N/A	1100	1100	1100	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
IRON	300	NITRATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1198	24222	85938	29018195	300	960000	5663	8.003763	38.93465	45325	0.001	1600	-0.09189	0.211	187	
IRON	300	NITRATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5439	9639.99	57839	52431906	300	2180000	5663	8.003763	38.93465	45325	0.001	1600	-0.04137	0.3638	484	
IRON	300	NITRATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	127	85393	154531	10844906	310	864000	5663	8.003763	38.93465	45325	0.001	1600	0.06982	0.7636	21	
IRON	300	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	1100	#N/A	1100	1100	1100	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	1100	#N/A	1100	1100	1100	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1198	24222	85938	29018195	300	960000	23214	0.037058	0.289409	860.264897	0.001	25	0.03665	0.3775	582	
IRON	300	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1198	24222	85938	29018195	300	960000	835	0.031742	0.183455	26.504833	0.001	5	0.02027	0.8162	134	
IRON	300	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5439	9639.99	57839	52431906	300	2180000	23214	0.037058	0.289409	860.264897	0.001	25	-0.00175	0.9185	3416	
IRON	300	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5439	9639.99	57839	52431906	300	2180000	835	0.031742	0.183455	26.504833	0.001	5	-0.07586	0.5546	63	
IRON	300	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	127	85393	154531	10844906	310	864000	23214	0.037058	0.289409	860.264897	0.001	25	0.24277	0.0126	105	*
IRON	300	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	127	85393	154531	10844906	310	864000	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
IRON	300	PH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	1100	#N/A	1100	1100	1100	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	1	
IRON	300	PH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1198	24222	85938	29018195	300	960000	43861	7.122161	0.878663	312385	0.1	12.8	-0.29279	0.0001	971	*
IRON	300	PH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5439	9639.99	57839	52431906	300	2180000	43861	7.122161	0.878663	312385	0.1	12.8	-0.23928	0.0001	4986	*
IRON	300	PH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	127	85393	154531	10844906	310	864000	43861	7.122161	0.878663	312385	0.1	12.8	-0.53798	0.0001	127	*
IRON	300	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	1100	#N/A	1100	1100	1100	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	1100	#N/A	1100	1100	1100	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	1100	#N/A	1100	1100	1100	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1198	24222	85938	29018195	300	960000	99	1.289899	3.734492	127.7	0.1	31	-0.24094	0.5323	9	
IRON	300	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1198	24222	85938	29018195	300	960000	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1198	24222	85938	29018195	300	960000	230	0.280176	0.551313	64.4405	0.009	6.14	-0.21556	0.5775	9	
IRON	300	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5439	9639.99	57839	52431906	300	2180000	99	1.289899	3.734492	127.7	0.1	31	-0.32893	0.2725	13	
IRON	300	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5439	9639.99	57839	52431906	300	2180000	154	1.227987	1.930945	189.11	0.02	14	0.06464	0.7039	37	
IRON	300	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5439	9639.99	57839	52431906	300	2180000	230	0.280176	0.551313	64.4405	0.009	6.14	-0.15841	0.3865	32	
IRON	300	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	127	85393	154531	10844906	310	864000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	127	85393	154531	10844906	310	864000	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	127	85393	154531	10844906	310	864000	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	1	1100	#N/A	1100	1100	1100	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	1100	#N/A	1100	1100	1100	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	1198	24222	85938	29018195	300	960000	4914	32.0677	18.5323	157581	7	250	-0.10692	0.4794	46	
IRON	300	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1198	24222	85938	29018195	300	960000	4995	1162.253	3158.094	5805454	7	82082	-0.10457	0.4842	47	
IRON	300	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	5439	9639.99	57839	52431906	300	2180000	4914	32.0677	18.5323	157581	7	250	0.25793	0.0001	616	*
IRON	300	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	[illegible]	[illegible]39.99	57839	52431906	300	2180000	4995	1162.253	3158.094	5805454	7	82082	0.24174	[illegible]	620	*

Appendix E-threshold National correlation analysis Correlation [illegible]ls and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	127	85393	154531	10844906	310	864000	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	127	85393	154531	10844906	310	864000	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	1100	#N/A	1100	1100	1100	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	1100	#N/A	1100	1100	1100	961	2.578564	3 089181	2478	1	31	#N/A	#N/A	1	
IRON	300	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1198	24222	85938	29018195	300	960000	7865	55.57754	657.8106	437117	1	27000	-0 19945	0 0028	223	*
IRON	300	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1198	24222	85938	29018195	300	960000	961	2.578564	3 089181	2478	1	31	0 07763	0 0874	486	
IRON	300	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5439	9639.99	57839	52431906	300	2180000	7865	55.57754	657 8106	437117	1	27000	0 00841	0 7449	1500	
IRON	300	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5439	9639 99	57839	52431906	300	2180000	961	2.578564	3 089181	2478	1	31	0 18781	0 0911	82	
IRON	300	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	127	85393	154531	10844906	310	864000	7865	55 57754	657.8106	437117	1	27000	0 38647	0 0019	62	*
IRON	300	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	127	85393	154531	10844906	310	864000	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
IRON	300	SULFATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	1100	#N/A	1100	1100	1100	26730	231.201	990 9965	6180003	0 03	37000	#N/A	#N/A	0	
IRON	300	SULFATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1198	24222	85938	29018195	300	960000	26730	231.201	990 9965	6180003	0 03	37000	0 49127	0.0001	983	*
IRON	300	SULFATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	5439	9639 99	57839	52431906	300	2180000	26730	231.201	990 9965	6180003	0.03	37000	0 51809	0 0001	4731	*
IRON	300	SULFATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	127	85393	154531	10844906	310	864000	26730	231 201	990 9965	6180003	0 03	37000	0.82349	0.0001	121	*
IRON	300	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	1100	#N/A	1100	1100	1100	848	9.369458	17.94903	7945 3	0.5	102	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	1100	#N/A	1100	1100	1100	350	4.434286	7 27558	1552	1	50	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1198	24222	85938	29018195	300	960000	848	9 369458	17.94903	7945 3	0 5	102	-0 00358	0.9669	137	
IRON	300	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1198	24222	85938	29018195	300	960000	350	4.434286	7 27558	1552	1	50	0 15989	0 0316	181	*
IRON	300	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5439	9639 99	57839	52431906	300	2180000	848	9.369458	17.94903	7945.3	0 5	102	0.32635	0.0001	172	*
IRON	300	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5439	9639 99	57839	52431906	300	2180000	350	4.434286	7 27558	1552	1	50	-0 08874	0 5358	51	
IRON	300	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	127	85393	154531	10844906	310	864000	848	9 369458	17.94903	7945 3	0.5	102	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	127	85393	154531	10844906	310	864000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
IRON	300	TURBIDITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	1	1100	#N/A	1100	1100	1100	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	1	
IRON	300	TURBIDITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	1198	24222	85938	29018195	300	960000	2359	23 36229	85 84469	55112	0 01	1000	0.08313	0 3006	157	
IRON	300	TURBIDITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	5439	9639 99	57839	52431906	300	2180000	2359	23.36229	85 84469	55112	0 01	1000	0.04158	0 3535	500	
IRON	300	TURBIDITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	127	85393	154531	10844906	310	864000	2359	23 36229	85 84469	55112	0.01	1000	0 44532	0.0839	16	
IRON	300	URANIUM-235	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	1100	#N/A	1100	1100	1100	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
IRON	300	URANIUM-235	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1198	24222	85938	29018195	300	960000	141	56 54043	200.9786	7972.2	0 1	1300	#N/A	#N/A	3	
IRON	300	URANIUM-235	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5439	9639 99	57839	52431906	300	2180000	141	56 54043	200 9786	7972 2	0.1	1300	0 09806	0 5934	32	
IRON	300	URANIUM-235	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	127	85393	154531	10844906	310	864000	141	56.54043	200 9786	7972 2	0.1	1300	#N/A	#N/A	0	
IRON	300	URANIUM-238	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	1100	#N/A	1100	1100	1100	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
IRON	300	URANIUM-238	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1198	24222	85938	29018195	300	960000	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	3	
IRON	300	URANIUM-238	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5439	9639 99	57839	52431906	300	2180000	141	2844.557	18195	401083	0 1	210000	0.11238	0 5403	32	
IRON	300	URANIUM-238	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	127	85393	154531	10844906	310	864000	141	2844.557	18195	401083	0 1	210000	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	1	1100	#N/A	1100	1100	1100	105993	257.8247	364.157	27327615	0 5	7106	#N/A	#N/A	1	
IRON	300	WELL-DEPTH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	1198	24222	85938	29018195	300	960000	105993	257 8247	364 157	27327615	0 5	7106	-0 09289	0 0034	992	*
IRON	300	WELL-DEPTH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	5439	9639 99	57839	52431906	300	2180000	105993	257.8247	364 157	27327615	0 5	7106	-0 03537	0 0153	4702	*
IRON	300	WELL-DEPTH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	127	85393	154531	10844906	310	864000	105993	257.8247	364 157	27327615	0 5	7106	-0 19984	0 0878	74	
IRON	2500	ALKALINITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
IRON	2500	ALKALINITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	609	46675	116243	28425200	2500	960000	2642	204 9232	148 8865	541407	3	4500	-0 10691	0 8195	7	
IRON	2500	ALKALINITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2276	21523	88051	48986835	2500	2180000	2642	204.9232	148 8865	541407	3	4500	-0 3339	0 0091	60	*
IRON	2500	ALKALINITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	68	158470	182323	10775940	2600	864000	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7.838537	29 93498	23045	1	200	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28 07158	61 3558	13531	1	200	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	609	46675	116243	28425200	2500	960000	2940	7.838537	29 93498	23045	1	200	0 08247	0.4319	93	
IRON	2500	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	609	46675	116243	28425200	2500	960000	482	28 07158	61.3558	13531	1	200	0 1541	0 2131	67	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2276	21523	88051	48986835	2500	2180000	2940	7.838537	29.93498	23045	1	200	0.69674	0.0001	230	*
IRON	2500	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2276	21523	88051	48986835	2500	2180000	482	28.07158	61.3558	13531	1	200	0.22572	0.4186	15	
IRON	2500	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	68	158470	182323	10775940	2600	864000	2940	7.838537	29.93498	23045	1	200	0.2611	0.0542	55	
IRON	2500	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	68	158470	182323	10775940	2600	864000	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	609	46675	116243	28425200	2500	960000	9943	9.090013	72.56837	90382	1	3800	-0.1653	0.0643	126	
IRON	2500	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	609	46675	116243	28425200	2500	960000	1294	17.47862	94.81877	22617	1	1400	0.01906	0.7575	265	
IRON	2500	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2276	21523	88051	48986835	2500	2180000	9943	9.090013	72.56837	90382	1	3800	-0.03175	0.3471	879	
IRON	2500	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2276	21523	88051	48986835	2500	2180000	1294	17.47862	94.81877	22617	1	1400	0.05399	0.6954	55	
IRON	2500	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	68	158470	182323	10775940	2600	864000	9943	9.090013	72.56837	90382	1	3800	0.62495	0.0001	51	*
IRON	2500	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	68	158470	182323	10775940	2600	864000	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	100	0	200	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	609	46675	116243	28425200	2500	960000	8200	120.7616	269.9694	990245	1	10000	-0.23614	0.0021	167	*
IRON	2500	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	609	46675	116243	28425200	2500	960000	2	100	0	200	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	609	46675	116243	28425200	2500	960000	776	194.384	563.7236	150842	7	10000	0.25029	0.0001	238	*
IRON	2500	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2276	21523	88051	48986835	2500	2180000	8200	120.7616	269.9694	990245	1	10000	-0.07005	0.0238	1041	*
IRON	2500	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2276	21523	88051	48986835	2500	2180000	2	100	0	200	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2276	21523	88051	48986835	2500	2180000	776	194.384	563.7236	150842	7	10000	-0.42099	0.0819	18	
IRON	2500	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	68	158470	182323	10775940	2600	864000	8200	120.7616	269.9694	990245	1	10000	-0.31752	0.0106	64	*
IRON	2500	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	68	158470	182323	10775940	2600	864000	2	100	0	200	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	68	158470	182323	10775940	2600	864000	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	609	46675	116243	28425200	2500	960000	6332	1.869	12.88026	11835	0.1	406	0.68064	0.0001	127	*
IRON	2500	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	609	46675	116243	28425200	2500	960000	627	3.52998	5.18639	2213.3	0.5	25	0.45172	0.0001	85	*
IRON	2500	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2276	21523	88051	48986835	2500	2180000	6332	1.869	12.88026	11835	0.1	406	0.60478	0.0001	923	*
IRON	2500	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2276	21523	88051	48986835	2500	2180000	627	3.52998	5.18639	2213.3	0.5	25	-0.12138	0.6314	18	
IRON	2500	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	68	158470	182323	10775940	2600	864000	6332	1.869	12.88026	11835	0.1	406	0.71311	0.0001	55	*
IRON	2500	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	68	158470	182323	10775940	2600	864000	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	609	46675	116243	28425200	2500	960000	9321	7.570965	108.8909	70569	0.01	5675	-0.07569	0.3508	154	
IRON	2500	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	609	46675	116243	28425200	2500	960000	1131	4.464633	6.25633	5049.5	1	100	0.31416	0.0001	269	*
IRON	2500	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2276	21523	88051	48986835	2500	2180000	9321	7.570965	108.8909	70569	0.01	5675	0.08015	0.0075	1111	*
IRON	2500	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2276	21523	88051	48986835	2500	2180000	1131	4.464633	6.25633	5049.5	1	100	0.14965	0.3382	43	
IRON	2500	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	68	158470	182323	10775940	2600	864000	9321	7.570965	108.8909	70569	0.01	5675	0.4256	0.0012	55	*
IRON	2500	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	68	158470	182323	10775940	2600	864000	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	609	46675	116243	28425200	2500	960000	9790	9.877542	276.7559	96701	0.02	27300	-0.03002	0.7001	107	
IRON	2500	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	609	46675	116243	28425200	2500	960000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	2	
IRON	2500	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	[illegible]	46675	116243	28425200	2500	960000	1274	13.5	43.20096	17199	1	1100	0.73563	[illegible]	291	*

Appendix E-threshold National correlation analysis Correlation [illegible] and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2276	21523	88051	48986835	2500	2180000	9790	9.877542	276.7559	96701	0.02	27300	0.47054	0.0001	978	*
IRON	2500	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2276	21523	88051	48986835	2500	2180000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2276	21523	88051	48986835	2500	2180000	1274	13.5	43.20096	17199	1	1100	-0.27179	0.0898	40	
IRON	2500	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	68	158470	182323	10775940	2600	864000	9790	9.877542	276.7559	96701	0.02	27300	0.02361	0.8642	55	
IRON	2500	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	68	158470	182323	10775940	2600	864000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	68	158470	182323	10775940	2600	864000	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	609	46675	116243	28425200	2500	960000	56711	1443.287	4687.848	81850239	1	249000	0.06161	0.1901	454	
IRON	2500	CONDUCTANCE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2276	21523	88051	48986835	2500	2180000	56711	1443.287	4687.848	81850239	1	249000	0.10948	0.0001	2160	*
IRON	2500	CONDUCTANCE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	68	158470	182323	10775940	2600	864000	56711	1443.287	4687.848	81850239	1	249000	-0.18076	0.1402	68	
IRON	2500	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	609	46675	116243	28425200	2500	960000	565	0.650733	3.513117	367.664	0.001	20	0.2528	0.0069	113	*
IRON	2500	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	609	46675	116243	28425200	2500	960000	1396	1.095165	12.00667	1528.85	0.01	280	-0.04401	0.7874	40	
IRON	2500	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2276	21523	88051	48986835	2500	2180000	565	0.650733	3.513117	367.664	0.001	20	0.33946	0.2804	12	
IRON	2500	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2276	21523	88051	48986835	2500	2180000	1396	1.095165	12.00667	1528.85	0.01	280	-0.05591	0.8149	20	
IRON	2500	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	68	158470	182323	10775940	2600	864000	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	68	158470	182323	10775940	2600	864000	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304.366	43117092	0.02	41465000	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	609	46675	116243	28425200	2500	960000	18561	2322.994	304.366	43117092	0.02	41465000	0.04442	0.5045	228	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2276	21523	88051	48986835	2500	2180000	18561	2322.994	304.366	43117092	0.02	41465000	0.12131	0.0001	1136	*
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	68	158470	182323	10775940	2600	864000	18561	2322.994	304.366	43117092	0.02	41465000	-0.30766	0.0223	55	*
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	609	46675	116243	28425200	2500	960000	21569	3.824813	7.578481	82497	0.1	545.4	-0.1531	0.0055	327	*
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2276	21523	88051	48986835	2500	2180000	21569	3.824813	7.578481	82497	0.1	545.4	0.02488	0.388	1311	
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	68	158470	182323	10775940	2600	864000	21569	3.824813	7.578481	82497	0.1	545.4	-0.04533	0.7597	48	
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	609	46675	116243	28425200	2500	960000	20725	1497.404	13499	31033701	6	319000	0.07423	0.219	276	
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2276	21523	88051	48986835	2500	2180000	20725	1497.404	13499	31033701	6	319000	0.18307	0.0001	1643	*
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	68	158470	182323	10775940	2600	864000	20725	1497.404	13499	31033701	6	319000	-0.14765	0.2962	52	
IRON	2500	HARDNESS	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
IRON	2500	HARDNESS	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	609	46675	116243	28425200	2500	960000	25507	382.224	1096.769	9749388	1	28000	0.37928	0.0001	350	*
IRON	2500	HARDNESS	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2276	21523	88051	48986835	2500	2180000	25507	382.224	1096.769	9749388	1	28000	0.33233	0.0001	2202	*
IRON	2500	HARDNESS	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	68	158470	182323	10775940	2600	864000	25507	382.224	1096.769	9749388	1	28000	0.00482	0.9689	68	
IRON	2500	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	609	46675	116243	28425200	2500	960000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	609	46675	116243	28425200	2500	960000	1774	1132.239	6376.538	2008592	1	160000	0.82712	0.0001	500	*
IRON	2500	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	609	46675	116243	28425200	2500	960000	21991	1007.092	17620	22146953	0.01	1130000	0.636	0.0001	254	*
IRON	2500	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2276	21523	88051	48986835	2500	2180000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2276	21523	88051	48986835	2500	2180000	1774	1132.239	6376.538	2008592	1	160000	0.56078	0.0001	151	*
IRON	2500	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2276	21523	88051	48986835	2500	2180000	21991	1007.092	17620	22146953	0.01	1130000	0.61746	0.0001	2232	*
IRON	2500	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	68	158470	182323	10775940	2600	864000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	68	158470	182323	10775940	2600	864000	1774	1132.239	6376.538	2008592	1	160000	0.8643	0.0001	55	*
IRON	2500	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	68	158470	182323	10775940	2600	864000	21991	1007.092	17620	22146953	0.01	1130000	0.89003	0.0001	68	*

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	609	46675	116243	28425200	2500	960000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.23343	0.0397	78	*
IRON	2500	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	609	46675	116243	28425200	2500	960000	1030	0.296816	0.435845	305.72	0.01	4.5	0.12729	0.0452	248	*
IRON	2500	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2276	21523	88051	48986835	2500	2180000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.03288	0.4321	573	
IRON	2500	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2276	21523	88051	48986835	2500	2180000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.12064	0.6946	13	
IRON	2500	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	68	158470	182323	10775940	2600	864000	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	31	
IRON	2500	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	68	158470	182323	10775940	2600	864000	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	609	46675	116243	28425200	2500	960000	6399	50.13064	681.1727	320786	0.02	24600	0.89807	0.0001	150	*
IRON	2500	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	609	46675	116243	28425200	2500	960000	818	21.85697	53.28237	17879	1	590	0.48519	0.0001	141	*
IRON	2500	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2276	21523	88051	48986835	2500	2180000	6399	50.13064	681.1727	320786	0.02	24600	0.71265	0.0001	904	*
IRON	2500	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2276	21523	88051	48986835	2500	2180000	818	21.85697	53.28237	17879	1	590	0.06325	0.6944	41	
IRON	2500	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	68	158470	182323	10775940	2600	864000	6399	50.13064	681.1727	320786	0.02	24600	0.74577	0.0001	55	*
IRON	2500	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	68	158470	182323	10775940	2600	864000	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
IRON	2500	NITRATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
IRON	2500	NITRATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	609	46675	116243	28425200	2500	960000	5663	8.003763	38.93465	45325	0.001	1600	-0.10307	0.2546	124	
IRON	2500	NITRATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2276	21523	88051	48986835	2500	2180000	5663	8.003763	38.93465	45325	0.001	1600	-0.02057	0.7736	198	
IRON	2500	NITRATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	68	158470	182323	10775940	2600	864000	5663	8.003763	38.93465	45325	0.001	1600	0.05002	0.8341	20	
IRON	2500	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	609	46675	116243	28425200	2500	960000	23214	0.037058	0.289409	860.264897	0.001	25	0.01711	0.7698	295	
IRON	2500	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	609	46675	116243	28425200	2500	960000	835	0.031742	0.183455	26.504833	0.001	5	-0.05007	0.7891	31	
IRON	2500	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2276	21523	88051	48986835	2500	2180000	23214	0.037058	0.289409	860.264897	0.001	25	0.02936	0.231	1666	
IRON	2500	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2276	21523	88051	48986835	2500	2180000	835	0.031742	0.183455	26.504833	0.001	5	0.43015	0.1247	14	
IRON	2500	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	68	158470	182323	10775940	2600	864000	23214	0.037058	0.289409	860.264897	0.001	25	0.17123	0.2113	55	
IRON	2500	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	68	158470	182323	10775940	2600	864000	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
IRON	2500	PH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	0	
IRON	2500	PH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	609	46675	116243	28425200	2500	960000	43861	7.122161	0.878663	312385	0.1	12.8	-0.31288	0.0001	480	*
IRON	2500	PH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2276	21523	88051	48986835	2500	2180000	43861	7.122161	0.878663	312385	0.1	12.8	-0.29756	0.0001	2041	*
IRON	2500	PH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	68	158470	182323	10775940	2600	864000	43861	7.122161	0.878663	312385	0.1	12.8	-0.60865	0.0001	68	*
IRON	2500	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	609	46675	116243	28425200	2500	960000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	4	
IRON	2500	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	609	46675	116243	28425200	2500	960000	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	609	46675	116243	28425200	2500	960000	230	0.280176	0.551313	64.4405	0.009	6.14	0.95965	0.0403	4	*
IRON	2500	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2276	21523	88051	48986835	2500	2180000	99	1.289899	3.734492	127.7	0.1	31	-0.60139	0.2833	5	
IRON	2500	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2276	21523	88051	48986835	2500	2180000	154	1.227987	1.930945	189.11	0.02	14	-0.43748	0.4613	5	
IRON	2500	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2276	21523	88051	48986835	2500	2180000	230	0.280176	0.551313	64.4405	0.009	6.14	-0.4099	0.2394	10	
IRON	2500	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	68	158470	182323	10775940	2600	864000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	68	158470	182323	10775940	2600	864000	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	68	158470	182323	10775940	2600	864000	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	[illegible]	[illegible]N/A	#N/A	#N/A	#N/A	#N/A	4914	32.0677	18.5323	157581	7	250	#N/A	#N[illegible]	0	
IRON	[illegible]2500	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	[illegible]	[illegible]A	#N/A	#N/A	#N/A	#N/A	4995	1162.253	3158.094	5805454	7	82082	#N/A	[illegible]	0	

Appendix E-threshold National correlation analysis Correlation [illegible] and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	609	46675	116243	28425200	2500	960000	4914	32 0677	18 5323	157581	7	250	-0 17618	0 4213	23	
IRON	2500	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	609	46675	116243	28425200	2500	960000	4995	1162 253	3158 094	5805454	7	82082	-0 1631	0 4571	23	
IRON	2500	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	2276	21523	88051	48986835	2500	2180000	4914	32 0677	18 5323	157581	7	250	0 32397	0 0001	200	*
IRON	2500	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2276	21523	88051	48986835	2500	2180000	4995	1162 253	3158 094	5805454	7	82082	0 25109	0 0003	202	*
IRON	2500	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	68	158470	182323	10775940	2600	864000	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	68	158470	182323	10775940	2600	864000	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7865	55 57754	657 8106	437117	1	27000	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	609	46675	116243	28425200	2500	960000	7865	55 57754	657 8106	437117	1	27000	-0 20384	0 0182	134	*
IRON	2500	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	609	46675	116243	28425200	2500	960000	961	2 578564	3 089181	2478	1	31	0 018	0 7801	243	
IRON	2500	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2276	21523	88051	48986835	2500	2180000	7865	55 57754	657 8106	437117	1	27000	0 09146	0 0096	801	*
IRON	2500	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2276	21523	88051	48986835	2500	2180000	961	2 578564	3 089181	2478	1	31	0 20021	0 2417	36	
IRON	2500	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	68	158470	182323	10775940	2600	864000	7865	55 57754	657 8106	437117	1	27000	0.30667	0 0286	51	*
IRON	2500	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	68	158470	182323	10775940	2600	864000	961	2 578564	3.089181	2478	1	31	#N/A	#N/A	0	
IRON	2500	SULFATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231 201	990 9965	6180003	0 03	37000	#N/A	#N/A	0	
IRON	2500	SULFATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	609	46675	116243	28425200	2500	960000	26730	231 201	990 9965	6180003	0 03	37000	0.48152	0 0001	484	*
IRON	2500	SULFATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2276	21523	88051	48986835	2500	2180000	26730	231 201	990 9965	6180003	0 03	37000	0.56066	0.0001	2122	*
IRON	2500	SULFATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	68	158470	182323	10775940	2600	864000	26730	231.201	990 9965	6180003	0 03	37000	0.79786	0 0001	68	*
IRON	2500	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9.369458	17.94903	7945 3	0 5	102	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	609	46675	116243	28425200	2500	960000	848	9 369458	17.94903	7945 3	0 5	102	0 09762	0 5139	47	
IRON	2500	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	609	46675	116243	28425200	2500	960000	350	4 434286	7 27558	1552	1	50	0 1745	0 1862	59	
IRON	2500	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2276	21523	88051	48986835	2500	2180000	848	9 369458	17 94903	7945 3	0 5	102	0 50272	0 0006	43	*
IRON	2500	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2276	21523	88051	48986835	2500	2180000	350	4 434286	7.27558	1552	1	50	-0.37637	0 2539	11	
IRON	2500	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	68	158470	182323	10775940	2600	864000	848	9 369458	17.94903	7945 3	0.5	102	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	68	158470	182323	10775940	2600	864000	350	4 434286	7.27558	1552	1	50	#N/A	#N/A	0	
IRON	2500	TURBIDITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23 36229	85 64469	55112	0 01	1000	#N/A	#N/A	0	
IRON	2500	TURBIDITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	609	46675	116243	28425200	2500	960000	2359	23 36229	85 64469	55112	0 01	1000	-0 068	0 5126	95	
IRON	2500	TURBIDITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	2276	21523	88051	48986835	2500	2180000	2359	23 36229	85 64469	55112	0 01	1000	0 06461	0 4111	164	
IRON	2500	TURBIDITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	68	158470	182323	10775940	2600	864000	2359	23 36229	85 64469	55112	0 01	1000	0 44532	0 0839	16	
IRON	2500	URANIUM-235	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
IRON	2500	URANIUM-235	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	609	46675	116243	28425200	2500	960000	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
IRON	2500	URANIUM-235	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2276	21523	88051	48986835	2500	2180000	141	56 54043	200 9786	7972 2	0 1	1300	0 03484	0 9019	15	
IRON	2500	URANIUM-235	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	68	158470	182323	10775940	2600	864000	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844.557	18195	401083	0 1	210000	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	609	46675	116243	28425200	2500	960000	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2276	21523	88051	48986835	2500	2180000	141	2844.557	18195	401083	0.1	210000	-0 0151	0 9574	15	
IRON	2500	URANIUM-238	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	68	158470	182323	10775940	2600	864000	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257.8247	364 157	27327615	0 5	7106	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	609	46675	116243	28425200	2500	960000	105993	257.8247	364 157	27327615	0 5	7106	-0 0636	0.1607	488	
IRON	2500	WELL-DEPTH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	2276	21523	88051	48986835	2500	2180000	105993	257 8247	364 157	27327615	0 5	7106	-0 01333	0 5634	1882	
IRON	2500	WELL-DEPTH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	68	158470	182323	10775940	2600	864000	105993	257.8247	364 157	27327615	0 5	7106	-0 17016	0 4059	26	
MANGANESE	0	ALKALINITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7	9 28571	20.16362	65	1	55	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1774	1132 239	6376 538	2008592	1	160000	2642	204.9232	148 8865	541407	3	4500	-0 04653	0 9408	5	
MANGANESE	0	ALKALINITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	21991	1007.092	17620	22146953	0.01	1130000	2642	204 9232	148 8865	541407	3	4500	0 09886	0 0001	1904	*
MANGANESE	0	CONDUCTANCE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7	9 28571	20.16362	65	1	55	56711	1443 287	4687 848	81850239	1	249000	-0 52958	0 2215	7	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	0	CONDUCTANCE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1774	1132.239	6376.538	2008592	1	160000	56711	1443.287	4687.848	81850239	1	249000	0.34654	0.0001	1231	*
MANGANESE	0	CONDUCTANCE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	21991	1007.092	17620	22146953	0.01	1130000	56711	1443.287	4687.848	81850239	1	249000	0.07646	0.0001	20780	*
MANGANESE	0	DEPTH-BELOW-LAN	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7	9.28571	20.16362	65	1	55	18561	2322.994	304366	43117092	0.02	41465000	1.00113	#N/A	2	
MANGANESE	0	DEPTH-BELOW-LAN	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1774	1132.239	6376.538	2008592	1	160000	18561	2322.994	304366	43117092	0.02	41465000	-0.01805	0.6542	618	
MANGANESE	0	DEPTH-BELOW-LAN	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	21991	1007.092	17620	22146953	0.01	1130000	18561	2322.994	304366	43117092	0.02	41465000	-0.00112	0.9269	6753	
MANGANESE	0	DISSOLVED-OXYGE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7	9.28571	20.16362	65	1	55	21569	3.82481	7.57848	82497	0.1	545.4	-0.62675	0.183	6	
MANGANESE	0	DISSOLVED-OXYGE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1774	1132.239	6376.538	2008592	1	160000	21569	3.82481	7.57848	82497	0.1	545.4	-0.17911	0.0001	856	*
MANGANESE	0	DISSOLVED-OXYGE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	21991	1007.092	17620	22146953	0.01	1130000	21569	3.82481	7.57848	82497	0.1	545.4	-0.01072	0.238	12113	
MANGANESE	0	DISSOLVED-SOLID	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7	9.28571	20.16362	65	1	55	20725	1497.404	13499	31033701	6	319000	-0.52726	0.2239	7	
MANGANESE	0	DISSOLVED-SOLID	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1774	1132.239	6376.538	2008592	1	160000	20725	1497.404	13499	31033701	6	319000	0.54332	0.0001	812	*
MANGANESE	0	DISSOLVED-SOLID	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	21991	1007.092	17620	22146953	0.01	1130000	20725	1497.404	13499	31033701	6	319000	0.10385	0.0001	17639	*
MANGANESE	0	HARDNESS	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	7	9.28571	20.16362	65	1	55	25507	382.224	1096.769	9749388	1	28000	0.95913	0.0006	7	*
MANGANESE	0	HARDNESS	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1774	1132.239	6376.538	2008592	1	160000	25507	382.224	1096.769	9749388	1	28000	0.50013	0.0001	1098	*
MANGANESE	0	HARDNESS	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	21991	1007.092	17620	22146953	0.01	1130000	25507	382.224	1096.769	9749388	1	28000	0.26303	0.0001	20844	*
MANGANESE	0	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	7	9.28571	20.16362	65	1	55	3232	0.12396	0.1983	400.65	0.1	5.5	#N/A	#N/A	5	
MANGANESE	0	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	7	9.28571	20.16362	65	1	55	1030	0.29682	0.43584	305.72	0.01	4.5	#N/A	#N/A	2	
MANGANESE	0	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1774	1132.239	6376.538	2008592	1	160000	3232	0.12396	0.1983	400.65	0.1	5.5	-0.03683	0.538	282	
MANGANESE	0	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1774	1132.239	6376.538	2008592	1	160000	1030	0.29682	0.43584	305.72	0.01	4.5	0.19171	0.0001	796	*
MANGANESE	0	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	21991	1007.092	17620	22146953	0.01	1130000	3232	0.12396	0.1983	400.65	0.1	5.5	-0.00639	0.7232	3077	
MANGANESE	0	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	21991	1007.092	17620	22146953	0.01	1130000	1030	0.29682	0.43584	305.72	0.01	4.5	-0.02426	0.7055	245	
MANGANESE	0	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	7	9.28571	20.16362	65	1	55	6399	50.13063	681.1727	320786	0.02	24600	#N/A	#N/A	7	
MANGANESE	0	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	7	9.28571	20.16362	65	1	55	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	2	
MANGANESE	0	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1774	1132.239	6376.538	2008592	1	160000	6399	50.13063	681.1727	320786	0.02	24600	0.7519	0.0001	529	*
MANGANESE	0	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1774	1132.239	6376.538	2008592	1	160000	818	21.85697	53.28237	17879	1	590	0.18414	0.0001	606	*
MANGANESE	0	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	21991	1007.092	17620	22146953	0.01	1130000	6399	50.13063	681.1727	320786	0.02	24600	0.77435	0.0001	6267	*
MANGANESE	0	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	21991	1007.092	17620	22146953	0.01	1130000	818	21.85697	53.28237	17879	1	590	0.127	0.0188	342	*
MANGANESE	0	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	7	9.28571	20.16362	65	1	55	23214	0.03706	0.28941	860.2649	0.001	25	#N/A	#N/A	0	
MANGANESE	0	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	7	9.28571	20.16362	65	1	55	835	0.03174	0.18346	26.50483	0.001	5	#N/A	#N/A	0	
MANGANESE	0	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1774	1132.239	6376.538	2008592	1	160000	23214	0.03706	0.28941	860.2649	0.001	25	-0.00206	0.9483	990	
MANGANESE	0	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1774	1132.239	6376.538	2008592	1	160000	835	0.03174	0.18346	26.50483	0.001	5	0.03676	0.5902	217	
MANGANESE	0	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	21991	1007.092	17620	22146953	0.01	1130000	23214	0.03706	0.28941	860.2649	0.001	25	0.00129	0.8686	16422	
MANGANESE	0	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	21991	1007.092	17620	22146953	0.01	1130000	835	0.03174	0.18346	26.50483	0.001	5	-0.09183	0.1699	225	
MANGANESE	0	PH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7	9.28571	20.16362	65	1	55	43861	7.12216	0.87866	312385	0.1	12.8	0.23067	0.6187	7	
MANGANESE	0	PH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1774	1132.239	6376.538	2008592	1	160000	43861	7.12216	0.87866	312385	0.1	12.8	-0.2271	0.0001	1481	*
MANGANESE	0	PH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	21991	1007.092	17620	22146953	0.01	1130000	43861	7.12216	0.87866	312385	0.1	12.8	-0.11406	0.0001	20509	*
MANGANESE	0	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	7	9.28571	20.16362	65	1	55	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	5	
MANGANESE	0	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	7	9.28571	20.16362	65	1	55	961	2.57856	3.08918	2478	1	31	#N/A	#N/A	2	
MANGANESE	0	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1774	1132.239	6376.538	2008592	1	160000	7865	55.57754	657.8106	437117	1	27000	-0.09049	0.059	436	
MANGANESE	0	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1774	1132.239	6376.538	2008592	1	160000	961	2.57856	3.08918	2478	1	31	0.15728	0.0001	831	*
MANGANESE	0	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	21991	1007.092	17620	22146953	0.01	1130000	7865	55.57754	657.8106	437117	1	27000	-0.00408	0.7289	7235	
MANGANESE	0	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	21991	1007.092	17620	22146953	0.01	1130000	961	2.57856	3.08918	2478	1	31	0.28474	0.0001	345	*
MANGANESE	0	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7	9.28571	20.16362	65	1	55	848	9.36946	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7	9.28571	20.16362	65	1	55	350	4.43429	7.27558	1552	1	50	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1774	1132.239	6376.538	2008592	1	160000	848	9.36946	17.94903	7945.3	0.5	102	0.08372	0.1212	344	
MANGANESE	0	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1774	1132.239	6376.538	2008592	1	160000	350	4.43429	7.27558	1552	1	50	0.11546	0.0369	327	*
MANGANESE	0	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	21[illegible]	[illegible].092	17620	22146953	0.01	1130000	848	9.36946	17.94903	7945.3	0.5	102	-0.11658	[illegible]	697	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	0	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	21991	1007.092	17620	22146953	0.01	1130000	350	4.43429	7.27558	1552	1	50	-0.07865	0.2257	239	
MANGANESE	0	TURBIDITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	7	9.28571	20.16362	65	1	55	2359	23.36229	85.84469	55112	0.01	1000	-0.12397	0.7912	7	
MANGANESE	0	TURBIDITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	1774	1132.239	6376.538	2008592	1	160000	2359	23.36229	85.84469	55112	0.01	1000	0.32216	0.003	83	*
MANGANESE	0	TURBIDITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	21991	1007.092	17620	22146953	0.01	1130000	2359	23.36229	85.84469	55112	0.01	1000	0.04129	0.0645	2006	
MANGANESE	0	WELL-DEPTH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	7	9.28571	20.16362	65	1	55	105993	257.8247	364.157	27327615	0.5	7106	0.88389	0.0194	6	*
MANGANESE	0	WELL-DEPTH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	1774	1132.239	6376.538	2008592	1	160000	105993	257.8247	364.157	27327615	0.5	7106	-0.07445	0.0051	1411	*
MANGANESE	0	WELL-DEPTH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	21991	1007.092	17620	22146953	0.01	1130000	105993	257.8247	364.157	27327615	0.5	7106	-0.01519	0.0371	18838	*
MANGANESE	50	ALKALINITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	55	#N/A	55	55	55	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	879	2270.691	8918.282	1995937	50	160000	2642	204.9232	148.8865	541407	3	4500	-0.04653	0.9408	5	
MANGANESE	50	ALKALINITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	8416	2618.592	28410	22038069	50	1130000	2642	204.9232	148.8865	541407	3	4500	0.0493	0.1955	691	
MANGANESE	50	ANTIMONY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	55	#N/A	55	55	55	2940	7.83854	29.93498	23045	1	200	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	55	#N/A	55	55	55	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	879	2270.691	8918.282	1995937	50	160000	2940	7.83854	29.93498	23045	1	200	-0.06151	0.4562	149	
MANGANESE	50	ANTIMONY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	879	2270.691	8918.282	1995937	50	160000	482	28.07158	61.3558	13531	1	200	-0.08537	0.3022	148	
MANGANESE	50	ANTIMONY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	8416	2618.592	28410	22038069	50	1130000	2940	7.83854	29.93498	23045	1	200	0.21436	0.0001	897	*
MANGANESE	50	ANTIMONY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	8416	2618.592	28410	22038069	50	1130000	482	28.07158	61.3558	13531	1	200	-0.11805	0.2705	89	
MANGANESE	50	ARSENIC	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	55	#N/A	55	55	55	9943	9.09001	72.56836	90382	1	3800	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	55	#N/A	55	55	55	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	1	
MANGANESE	50	ARSENIC	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	879	2270.691	8918.282	1995937	50	160000	9943	9.09001	72.56836	90382	1	3800	-0.03613	0.6142	197	
MANGANESE	50	ARSENIC	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	879	2270.691	8918.282	1995937	50	160000	1294	17.47862	94.81877	22617	1	1400	-0.00157	0.9742	426	
MANGANESE	50	ARSENIC	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	8416	2618.592	28410	22038069	50	1130000	9943	9.09001	72.56836	90382	1	3800	-0.01598	0.3719	3123	
MANGANESE	50	ARSENIC	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	8416	2618.592	28410	22038069	50	1130000	1294	17.47862	94.81877	22617	1	1400	-0.02659	0.7194	185	
MANGANESE	50	BARIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	55	#N/A	55	55	55	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	1	
MANGANESE	50	BARIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	55	#N/A	55	55	55	2	100	0	200	100	100	#N/A	#N/A	1	
MANGANESE	50	BARIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	55	#N/A	55	55	55	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	879	2270.691	8918.282	1995937	50	160000	8200	120.7616	269.9694	990245	1	10000	-0.16647	0.0065	266	*
MANGANESE	50	BARIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	879	2270.691	8918.282	1995937	50	160000	2	100	0	200	100	100	#N/A	#N/A	1	
MANGANESE	50	BARIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	879	2270.691	8918.282	1995937	50	160000	776	194.384	563.7236	150842	7	10000	0.01212	0.8098	397	
MANGANESE	50	BARIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	8416	2618.592	28410	22038069	50	1130000	8200	120.7616	269.9694	990245	1	10000	-0.03408	0.0526	3234	
MANGANESE	50	BARIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	8416	2618.592	28410	22038069	50	1130000	2	100	0	200	100	100	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	8416	2618.592	28410	22038069	50	1130000	776	194.384	563.7236	150842	7	10000	-0.04341	0.6745	96	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	55	#N/A	55	55	55	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	55	#N/A	55	55	55	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	879	2270.691	8918.282	1995937	50	160000	6332	1.869	12.88026	11835	0.1	406	0.39772	0.0001	232	*
MANGANESE	50	BERYLLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	879	2270.691	8918.282	1995937	50	160000	627	3.52998	5.18639	2213.3	0.5	25	0.26045	0.0003	191	*
MANGANESE	50	BERYLLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	8416	2618.592	28410	22038069	50	1130000	6332	1.869	12.88026	11835	0.1	406	0.94967	0.0001	2696	*
MANGANESE	50	BERYLLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	8416	2618.592	28410	22038069	50	1130000	627	3.52998	5.18639	2213.3	0.5	25	-0.04073	0.6844	102	
MANGANESE	50	CADMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	55	#N/A	55	55	55	9321	7.57097	108.8909	70569	0.01	5675	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	55	#N/A	55	55	55	1131	4.46463	6.25633	5049.5	1	100	#N/A	#N/A	1	
MANGANESE	50	CADMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	879	2270.691	8918.282	1995937	50	160000	9321	7.57097	108.8909	70569	0.01	5675	0.65182	0.0001	267	*
MANGANESE	50	CADMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	879	2270.691	8918.282	1995937	50	160000	1131	4.46463	6.25633	5049.5	1	100	0.04868	0.2943	466	
MANGANESE	50	CADMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	8416	2618.592	28410	22038069	50	1130000	9321	7.57097	108.8909	70569	0.01	5675	0.1579	0.0001	3461	*
MANGANESE	50	CADMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	8416	2618.592	28410	22038069	50	1130000	1131	4.46463	6.25633	5049.5	1	100	0.19613	0.0231	134	*
MANGANESE	50	CHROMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	55	#N/A	55	55	55	9790	9.87754	276.7559	96701	0.02	27300	#N/A	#N/A	1	
MANGANESE	50	CHROMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	55	#N/A	55	55	55	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	55	#N/A	55	55	55	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	1	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	CHROMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	879	2270.691	8918.282	1995937	50	160000	9790	9.87754	276.7559	96701	0.02	27300	-0.01854	0.7569	281	
MANGANESE	50	CHROMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	879	2270.691	8918.282	1995937	50	160000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	879	2270.691	8918.282	1995937	50	160000	1274	13.5	43.20096	17199	1	1100	0.05335	0.2399	487	
MANGANESE	50	CHROMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	8416	2618.592	28410	22038069	50	1130000	9790	9.87754	276.7559	96701	0.02	27300	0.74495	0.0001	3237	*
MANGANESE	50	CHROMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	8416	2618.592	28410	22038069	50	1130000	952	13.00315	41.66239	12379	1	630	-0.19642	0.5201	13	
MANGANESE	50	CHROMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	8416	2618.592	28410	22038069	50	1130000	1274	13.5	43.20096	17199	1	1100	-0.03529	0.6577	160	
MANGANESE	50	CONDUCTANCE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	55	#N/A	55	55	55	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	1	
MANGANESE	50	CONDUCTANCE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	879	2270.691	8918.282	1995937	50	160000	56711	1443.287	4687.848	81850239	1	249000	0.37649	0.0001	580	*
MANGANESE	50	CONDUCTANCE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	8416	2618.592	28410	22038069	50	1130000	56711	1443.287	4687.848	81850239	1	249000	0.07527	0.0001	7811	*
MANGANESE	50	CYANIDE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	55	#N/A	55	55	55	565	0.65073	3.51312	367.664	0.001	20	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	55	#N/A	55	55	55	1396	1.09516	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	879	2270.691	8918.282	1995937	50	160000	565	0.65073	3.51312	367.664	0.001	20	0.33298	0.0001	195	*
MANGANESE	50	CYANIDE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	879	2270.691	8918.282	1995937	50	160000	1396	1.09516	12.00667	1528.85	0.01	280	-0.00642	0.9599	64	
MANGANESE	50	CYANIDE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	8416	2618.592	28410	22038069	50	1130000	565	0.65073	3.51312	367.664	0.001	20	0.33319	0.0221	47	*
MANGANESE	50	CYANIDE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	8416	2618.592	28410	22038069	50	1130000	1396	1.09516	12.00667	1528.85	0.01	280	0.85256	0.0001	224	*
MANGANESE	50	DEPTH-BELOW-LAN	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	55	#N/A	55	55	55	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	879	2270.691	8918.282	1995937	50	160000	18561	2322.994	304366	43117092	0.02	41465000	-0.03455	0.5099	366	
MANGANESE	50	DEPTH-BELOW-LAN	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	8416	2618.592	28410	22038069	50	1130000	18561	2322.994	304366	43117092	0.02	41465000	-0.00256	0.8876	3040	
MANGANESE	50	DISSOLVED-OXYGE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	55	#N/A	55	55	55	21569	3.82481	7.57848	82497	0.1	545.4	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-OXYGE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	879	2270.691	8918.282	1995937	50	160000	21569	3.82481	7.57848	82497	0.1	545.4	-0.11994	0.0104	455	*
MANGANESE	50	DISSOLVED-OXYGE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	8416	2618.592	28410	22038069	50	1130000	21569	3.82481	7.57848	82497	0.1	545.4	0.02364	0.1027	4765	
MANGANESE	50	DISSOLVED-SOLID	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	55	#N/A	55	55	55	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	1	
MANGANESE	50	DISSOLVED-SOLID	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	879	2270.691	8918.282	1995937	50	160000	20725	1497.404	13499	31033701	6	319000	0.59472	0.0001	324	*
MANGANESE	50	DISSOLVED-SOLID	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	8416	2618.592	28410	22038069	50	1130000	20725	1497.404	13499	31033701	6	319000	0.1087	0.0001	5535	*
MANGANESE	50	HARDNESS	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	55	#N/A	55	55	55	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	1	
MANGANESE	50	HARDNESS	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	879	2270.691	8918.282	1995937	50	160000	25507	382.224	1096.769	9749388	1	28000	0.54753	0.0001	479	*
MANGANESE	50	HARDNESS	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	8416	2618.592	28410	22038069	50	1130000	25507	382.224	1096.769	9749388	1	28000	0.2871	0.0001	7823	*
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	55	#N/A	55	55	55	2	620	678.8225	1240	140	1100	#N/A	#N/A	1	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	55	#N/A	55	55	55	2327	12508	62820	29106465	10	960000	#N/A	#N/A	1	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	55	#N/A	55	55	55	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	1	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	1	55	#N/A	55	55	55	195	55834	131042	10848720	0.01	864000	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	879	2270.691	8918.282	1995937	50	160000	2	620	678.8225	1240	140	1100	#N/A	#N/A	1	
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	879	2270.691	8918.282	1995937	50	160000	2327	12508	62820	29106465	10	960000	0.83188	0.0001	849	*
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	879	2270.691	8918.282	1995937	50	160000	22424	2358.813	28780	52894030	0.1	2180000	0.61323	0.0001	413	*
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	879	2270.691	8918.282	1995937	50	160000	195	55834	131042	10848720	0.01	864000	0.90836	0.0001	104	*
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	8416	2618.592	28410	22038069	50	1130000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	8416	2618.592	28410	22038069	50	1130000	2327	12508	62820	29106465	10	960000	0.65528	0.0001	375	*
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	8416	2618.592	28410	22038069	50	1130000	22424	2358.813	28780	52894030	0.1	2180000	0.60035	0.0001	6362	*
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	8416	2618.592	28410	22038069	50	1130000	195	55834	131042	10848720	0.01	864000	0.91931	0.0001	137	*
MANGANESE	50	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	55	#N/A	55	55	55	3232	0.12396	0.1983	400.65	0.1	5.5	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	55	#N/A	55	55	55	1030	0.29682	0.43584	305.72	0.01	4.5	#N/A	#N/A	1	
MANGANESE	50	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	879	2270.691	8918.282	1995937	50	160000	3232	0.12396	0.1983	400.65	0.1	5.5	-0.10396	0.2284	136	
MANGANESE	50	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	879	2270.691	8918.282	1995937	50	160000	1030	0.29682	0.43584	305.72	0.01	4.5	0.11734	0.0197	395	*
MANGANESE	50	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	8416	2618.592	28410	22038069	50	1130000	3232	0.12396	0.1983	400.65	0.1	5.5	-0.00946	0.7335	1298	
MANGANESE	50	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	8416	2618.592	28410	22038069	50	1130000	1030	0.29682	0.43584	305.72	0.01	4.5	-0.05122	0.6477	62	
MANGANESE	50	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)		55	#N/A	55	55	55	6399	50.13063	681.1727	320786	0.02	24600	#N/A		1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	55	#N/A	55	55	55	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	1	
MANGANESE	50	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	879	2270.691	8918.282	1995937	50	160000	6399	50.13063	681.1727	320786	0.02	24600	0.73393	0.0001	257	*
MANGANESE	50	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	879	2270.691	8918.282	1995937	50	160000	818	21.85697	53.28237	17879	1	590	0.13621	0.0334	244	*
MANGANESE	50	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	8416	2618.592	28410	22038069	50	1130000	6399	50.13063	681.1727	320786	0.02	24600	0.77306	0.0001	2749	*
MANGANESE	50	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	8416	2618.592	28410	22038069	50	1130000	818	21.85697	53.28237	17879	1	590	0.14343	0.0897	141	
MANGANESE	50	NITRATE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	55	#N/A	55	55	55	5663	8.00376	38.93465	45325	0.001	1600	#N/A	#N/A	0	
MANGANESE	50	NITRATE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	879	2270.691	8918.282	1995937	50	160000	5663	8.00376	38.93465	45325	0.001	1600	-0.14356	0.0539	181	
MANGANESE	50	NITRATE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	8416	2618.592	28410	22038069	50	1130000	5663	8.00376	38.93465	45325	0.001	1600	-0.0155	0.5717	1333	
MANGANESE	50	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	55	#N/A	55	55	55	23214	0.03706	0.28941	860.2649	0.001	25	#N/A	#N/A	0	
MANGANESE	50	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	55	#N/A	55	55	55	835	0.03174	0.18346	26.50483	0.001	5	#N/A	#N/A	0	
MANGANESE	50	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	879	2270.691	8918.282	1995937	50	160000	23214	0.03706	0.28941	860.2649	0.001	25	-0.03135	0.4883	491	
MANGANESE	50	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	879	2270.691	8918.282	1995937	50	160000	835	0.03174	0.18346	26.50483	0.001	5	-0.03416	0.752	88	
MANGANESE	50	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	8416	2618.592	28410	22038069	50	1130000	23214	0.03706	0.28941	860.2649	0.001	25	-0.00612	0.6483	5562	
MANGANESE	50	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	8416	2618.592	28410	22038069	50	1130000	835	0.03174	0.18346	26.50483	0.001	5	-0.06675	0.5414	86	
MANGANESE	50	PH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	55	#N/A	55	55	55	43861	7.12216	0.87866	312385	0.1	12.8	#N/A	#N/A	1	
MANGANESE	50	PH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	879	2270.691	8918.282	1995937	50	160000	43861	7.12216	0.87866	312385	0.1	12.8	-0.26764	0.0001	733	*
MANGANESE	50	PH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	8416	2618.592	28410	22038069	50	1130000	43861	7.12216	0.87866	312385	0.1	12.8	-0.1898	0.0001	7592	*
MANGANESE	50	RADIUM-226	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	55	#N/A	55	55	55	99	1.2899	3.73449	127.7	0.1	31	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	55	#N/A	55	55	55	154	1.22799	1.93095	189.11	0.02	14	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	55	#N/A	55	55	55	230	0.28018	0.55131	64.4405	0.009	6.14	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	99	1.2899	3.73449	127.7	0.1	31	0.66476	0.0721	8	
MANGANESE	50	RADIUM-226	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	154	1.22799	1.93095	189.11	0.02	14	0.09128	0.7019	20	
MANGANESE	50	RADIUM-226	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	230	0.28018	0.55131	64.4405	0.009	6.14	-0.04555	0.818	28	
MANGANESE	50	RADIUM-226	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	99	1.2899	3.73449	127.7	0.1	31	0.21696	0.5216	11	
MANGANESE	50	RADIUM-226	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	154	1.22799	1.93095	189.11	0.02	14	0.00245	0.9871	46	
MANGANESE	50	RADIUM-226	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	230	0.28018	0.55131	64.4405	0.009	6.14	-0.01668	0.9165	42	
MANGANESE	50	RADON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	1	55	#N/A	55	55	55	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	0	
MANGANESE	50	RADON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	55	#N/A	55	55	55	4995	1162.253	3158.094	5805454	7	62082	#N/A	#N/A	0	
MANGANESE	50	RADON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	4914	32.0677	18.5323	157581	7	250	-0.2788	0.0775	41	
MANGANESE	50	RADON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	4995	1162.253	3158.094	5805454	7	62082	-0.24985	0.1061	43	
MANGANESE	50	RADON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	4914	32.0677	18.5323	157581	7	250	0.33462	0.0001	976	*
MANGANESE	50	RADON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	4995	1162.253	3158.094	5805454	7	62082	0.37815	0.0001	978	*
MANGANESE	50	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	55	#N/A	55	55	55	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	55	#N/A	55	55	55	961	2.57856	3.08918	2478	1	31	#N/A	#N/A	1	
MANGANESE	50	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	879	2270.691	8918.282	1995937	50	160000	7865	55.57754	657.8106	437117	1	27000	-0.07758	0.2563	216	
MANGANESE	50	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	879	2270.691	8918.282	1995937	50	160000	961	2.57856	3.08918	2478	1	31	0.11559	0.0217	394	*
MANGANESE	50	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	8416	2618.592	28410	22038069	50	1130000	7865	55.57754	657.8106	437117	1	27000	-0.00581	0.7796	2324	
MANGANESE	50	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	8416	2618.592	28410	22038069	50	1130000	961	2.57856	3.08918	2478	1	31	0.26187	0.001	133	*
MANGANESE	50	SULFATE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	55	#N/A	55	55	55	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	0	
MANGANESE	50	SULFATE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	879	2270.691	8918.282	1995937	50	160000	26730	231.201	990.9965	6180003	0.03	37000	0.71841	0.0001	668	*
MANGANESE	50	SULFATE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	8416	2618.592	28410	22038069	50	1130000	26730	231.201	990.9965	6180003	0.03	37000	0.39334	0.0001	7160	*
MANGANESE	50	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	55	#N/A	55	55	55	848	9.36946	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	55	#N/A	55	55	55	350	4.43429	7.27558	1552	1	50	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	879	2270.691	8918.282	1995937	50	160000	848	9.36946	17.94903	7945.3	0.5	102	0.20675	0.0624	82	
MANGANESE	50	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	879	2270.691	8918.282	1995937	50	160000	350	4.43429	7.27558	1552	1	50	0.10089	0.2553	129	
MANGANESE	50	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	8416	2618.592	28410	22038069	50	1130000	848	9.36946	17.94903	7945.3	0.5	102	-0.20815	0.0015	231	*

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	8416	2618.592	28410	22038069	50	1130000	350	4.43429	7.27558	1552	1	50	-0.13661	0.2153	84	
MANGANESE	50	TURBIDITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	1	55	#N/A	55	55	55	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	1	
MANGANESE	50	TURBIDITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	879	2270.691	8918.282	1995937	50	160000	2359	23.36229	85.84469	55112	0.01	1000	0.3676	0.0058	55	*
MANGANESE	50	TURBIDITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	8416	2618.592	28410	22038069	50	1130000	2359	23.36229	85.84469	55112	0.01	1000	0.02938	0.4128	779	
MANGANESE	50	URANIUM-235	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	55	#N/A	55	55	55	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
MANGANESE	50	URANIUM-235	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	141	56.54043	200.9786	7972.2	0.1	1300	0.25424	0.2794	20	
MANGANESE	50	URANIUM-235	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	141	56.54043	200.9786	7972.2	0.1	1300	0.40413	0.0017	58	*
MANGANESE	50	URANIUM-238	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	55	#N/A	55	55	55	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	879	2270.691	8918.282	1995937	50	160000	141	2844.557	18195	401083	0.1	210000	0.23232	0.3243	20	
MANGANESE	50	URANIUM-238	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	8416	2618.592	28410	22038069	50	1130000	141	2844.557	18195	401083	0.1	210000	0.06909	0.6003	58	
MANGANESE	50	WELL-DEPTH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	1	55	#N/A	55	55	55	105993	257.8247	364.157	27327615	0.5	7106	#N/A	#N/A	1	
MANGANESE	50	WELL-DEPTH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	879	2270.691	8918.282	1995937	50	160000	105993	257.8247	364.157	27327615	0.5	7106	-0.07235	0.0609	672	
MANGANESE	50	WELL-DEPTH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	8416	2618.592	28410	22038069	50	1130000	105993	257.8247	364.157	27327615	0.5	7106	-0.00089	0.9402	7137	
MERCURY	0	ALKALINITY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3232	0.123963	0.198296	400.65	0.1	5.5	2642	204.9232	148.8865	541407	3	4500	-0.01071	0.906	124	
MERCURY	0	ALKALINITY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1030	0.296816	0.435845	305.72	0.01	4.5	2642	204.9232	148.8865	541407	3	4500	0.86532	0.0001	17	*
MERCURY	0	CONDUCTANCE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3232	0.123963	0.198296	400.65	0.1	5.5	56711	1443.287	4687.848	81850239	1	249000	0.04474	0.0143	2997	*
MERCURY	0	CONDUCTANCE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1030	0.296816	0.435845	305.72	0.01	4.5	56711	1443.287	4687.848	81850239	1	249000	-0.12377	0.001	705	*
MERCURY	0	DEPTH-BELOW-LAN	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3232	0.123963	0.198296	400.65	0.1	5.5	18561	2322.994	304366	43117092	0.02	41465000	-0.00723	0.8363	819	
MERCURY	0	DEPTH-BELOW-LAN	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1030	0.296816	0.435845	305.72	0.01	4.5	18561	2322.994	304366	43117092	0.02	41465000	-0.12207	0.0352	298	*
MERCURY	0	DISSOLVED-OXYGE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3232	0.123963	0.198296	400.65	0.1	5.5	21569	3.824813	7.578481	82497	0.1	545.4	0.00217	0.9258	1847	
MERCURY	0	DISSOLVED-OXYGE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1030	0.296816	0.435845	305.72	0.01	4.5	21569	3.824813	7.578481	82497	0.1	545.4	-0.02641	0.7036	210	
MERCURY	0	DISSOLVED-SOLID	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3232	0.123963	0.198296	400.65	0.1	5.5	20725	1497.404	13499	31033701	6	319000	0.01104	0.5709	2039	
MERCURY	0	DISSOLVED-SOLID	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1030	0.296816	0.435845	305.72	0.01	4.5	20725	1497.404	13499	31033701	6	319000	-0.04918	0.4008	294	
MERCURY	0	HARDNESS	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	3232	0.123963	0.198296	400.65	0.1	5.5	25507	382.224	1096.769	9749388	1	28000	0.05951	0.0012	2959	*
MERCURY	0	HARDNESS	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	1030	0.296816	0.435845	305.72	0.01	4.5	25507	382.224	1096.769	9749388	1	28000	-0.03183	0.5581	341	
MERCURY	0	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3232	0.123963	0.198296	400.65	0.1	5.5	6399	50.13064	681.1727	320786	0.02	24600	0.38437	0.0001	1975	*
MERCURY	0	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3232	0.123963	0.198296	400.65	0.1	5.5	818	21.85697	53.28237	17879	1	590	0.33019	0.0018	87	*
MERCURY	0	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1030	0.296816	0.435845	305.72	0.01	4.5	6399	50.13064	681.1727	320786	0.02	24600	0.03345	0.6408	197	
MERCURY	0	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1030	0.296816	0.435845	305.72	0.01	4.5	818	21.85697	53.28237	17879	1	590	0.676	0.0001	659	*
MERCURY	0	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3232	0.123963	0.198296	400.65	0.1	5.5	23214	0.037058	0.289409	860.264897	0.001	25	0.36018	0.0001	2438	*
MERCURY	0	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3232	0.123963	0.198296	400.65	0.1	5.5	835	0.031742	0.183455	26.504833	0.001	5	-1	0.0001	11	*
MERCURY	0	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1030	0.296816	0.435845	305.72	0.01	4.5	23214	0.037058	0.289409	860.264897	0.001	25	0.29945	0.0001	527	*
MERCURY	0	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1030	0.296816	0.435845	305.72	0.01	4.5	835	0.031742	0.183455	26.504833	0.001	5	0.18409	0.005	231	*
MERCURY	0	PH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3232	0.123963	0.198296	400.65	0.1	5.5	43861	7.122161	0.878663	312385	0.1	12.8	-0.05733	0.0015	3071	*
MERCURY	0	PH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1030	0.296816	0.435845	305.72	0.01	4.5	43861	7.122161	0.878663	312385	0.1	12.8	-0.38799	0.0001	867	*
MERCURY	0	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3232	0.123963	0.198296	400.65	0.1	5.5	7865	55.57754	657.8106	437117	1	27000	0.09037	0.0001	2724	*
MERCURY	0	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3232	0.123963	0.198296	400.65	0.1	5.5	961	2.578564	3.089181	2478	1	31	0.62735	0.0001	108	*
MERCURY	0	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1030	0.296816	0.435845	305.72	0.01	4.5	7865	55.57754	657.8106	437117	1	27000	0.11916	0.2353	101	
MERCURY	0	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1030	0.296816	0.435845	305.72	0.01	4.5	961	2.578564	3.089181	2478	1	31	0.30335	0.0001	791	*
MERCURY	0	THALLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3232	0.123963	0.198296	400.65	0.1	5.5	848	9.369458	17.94903	7945.3	0.5	102	-0.0774	0.0667	562	
MERCURY	0	THALLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3232	0.123963	0.198296	400.65	0.1	5.5	350	4.434286	7.27558	1552	1	50	0.28404	0.0208	66	*
MERCURY	0	THALLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1030	0.296816	0.435845	305.72	0.01	4.5	848	9.369458	17.94903	7945.3	0.5	102	0.40636	0.0001	143	*
MERCURY	0	THALLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1030	0.296816	0.435845	305.72	0.01	4.5	350	4.434286	7.27558	1552	1	50	0.23272	0.0002	245	*
MERCURY	0	TURBIDITY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	3232	0.123963	0.198296	400.65	0.1	5.5	2359	23.36229	85.84469	55112	0.01	1000	-0.03544	0.5118	345	
MERCURY	0	TURBIDITY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	1030	0.296816	0.435845	305.72	0.01	4.5	2359	23.36229	85.84469	55112	0.01	1000	-0.13357	[illegible]	36	
MERCURY	0	WELL-DEPTH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	[illegible]	[illegible]3963	0.198296	400.65	0.1	5.5	105993	257.8247	364.157	27327615	0.5	7106	-0.01776	[illegible]	2568	

Appendix E-threshold National correlation analysis Correlation [redacted] and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	0	WELL-DEPTH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	1030	0 296816	0 435845	305.72	0 01	4.5	105993	257.8247	364 157	27327615	0 5	7106	-0.16011	0 0001	884	*
MERCURY	2	ALKALINITY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10	3 16	1.004656	31 6	2	5.5	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
MERCURY	2	ALKALINITY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10	2 84	0.91433	28 4	2	4 5	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	10	3 16	1 004656	31 6	2	5 5	2940	7 838537	29 93498	23045	1	200	#N/A	#N/A	2	
MERCURY	2	ANTIMONY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	10	3 16	1 004656	31 6	2	5 5	482	28 07158	61.3558	13531	1	200	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	10	2 84	0 91433	28 4	2	4.5	2940	7 838537	29 93498	23045	1	200	#N/A	#N/A	2	
MERCURY	2	ANTIMONY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	10	2 84	0 91433	28 4	2	4.5	482	28 07158	61.3558	13531	1	200	#N/A	#N/A	0	
MERCURY	2	ARSENIC	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	10	3 16	1 004656	31 6	2	5.5	9943	9 090013	72.56837	90382	1	3800	-0 60144	0 2066	6	
MERCURY	2	ARSENIC	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	10	3 16	1 004656	31 6	2	5.5	1294	17.47862	94 81877	22617	1	1400	-0.73357	0 4757	3	
MERCURY	2	ARSENIC	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	10	2 84	0 91433	28 4	2	4 5	9943	9 090013	72 56837	90382	1	3800	-0 95632	0 1888	3	
MERCURY	2	ARSENIC	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	10	2 84	0 91433	28 4	2	4 5	1294	17.47862	94 81877	22617	1	1400	-0 89044	0 3008	3	
MERCURY	2	BARIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	10	3 16	1.004656	31 6	2	5.5	8200	120 7616	269 9694	990245	1	10000	0 02753	0 9484	8	
MERCURY	2	BARIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	10	3 16	1.004656	31 6	2	5 5	2	100	0	200	100	100	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	10	3.16	1.004656	31.6	2	5.5	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	1	
MERCURY	2	BARIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	10	2 84	0 91433	28 4	2	4.5	8200	120.7616	269 9694	990245	1	10000	0 839	0.3663	3	
MERCURY	2	BARIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	10	2 84	0 91433	28 4	2	4 5	2	100	0	200	100	100	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	10	2 84	0.91433	28 4	2	4 5	776	194 384	563.7236	150842	7	10000	#N/A	#N/A	4	
MERCURY	2	BERYLLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	10	3 16	1.00466	31.6	2	5 5	6332	1 869	12 86026	11835	0 1	406	-0 57898	0 3064	5	
MERCURY	2	BERYLLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	10	3 16	1 00466	31 6	2	5 5	627	3 52998	5 18639	2213 3	0.5	25	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	10	2 84	0 91433	28 4	2	4.5	6332	1.869	12 88026	11835	0 1	406	#N/A	#N/A	2	
MERCURY	2	BERYLLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	10	2 84	0 91433	28 4	2	4 5	627	3 52998	5 18639	2213 3	0.5	25	#N/A	#N/A	0	
MERCURY	2	CADMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	10	3 16	1 004656	31 6	2	5 5	9321	7 570965	108 8909	70569	0 01	5675	-0 20186	0 6317	8	
MERCURY	2	CADMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	10	3 16	1 004656	31 6	2	5 5	1131	4.464633	6 25633	5049 5	1	100	#N/A	#N/A	1	
MERCURY	2	CADMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	10	2 84	0 91433	28 4	2	4 5	9321	7 570965	108 8909	70569	0 01	5675	-0 95632	0 1888	3	
MERCURY	2	CADMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	10	2 84	0 91433	28 4	2	4 5	1131	4 464633	6 25633	5049.5	1	100	0.73856	0 0364	8	*
MERCURY	2	CHROMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	10	3 16	1.004656	31.6	2	5 5	9790	9 877542	276 7559	96701	0 02	27300	-0 39057	0 3388	8	
MERCURY	2	CHROMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	10	3 16	1 004656	31 6	2	5 5	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	10	3 16	1.004656	31.6	2	5 5	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	1	
MERCURY	2	CHROMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	10	2 84	0 91433	28 4	2	4.5	9790	9 877542	276 7559	96701	0 02	27300	-0 95632	0 1888	3	
MERCURY	2	CHROMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	10	2 84	0 91433	28 4	2	4 5	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	10	2 84	0 91433	28 4	2	4.5	1274	13 5	43 20096	17199	1	1100	-0 22416	0 5936	8	
MERCURY	2	CONDUCTANCE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10	3 16	1 004656	31.6	2	5 5	56711	1443 287	4687 848	81850239	1	249000	0 57615	0 1044	9	
MERCURY	2	CONDUCTANCE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10	2 84	0 91433	28 4	2	4.5	56711	1443 287	4687 848	81850239	1	249000	-0 85968	0 3413	3	
MERCURY	2	CYANIDE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	10	3 16	1.004656	31.6	2	5 5	565	0 650733	3.513117	367 664	0 001	20	#N/A	#N/A	0	
MERCURY	2	CYANIDE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	10	3.16	1.004656	31.6	2	5.5	1396	1 095165	12 00667	1528 85	0 01	280	-1	#N/A	2	
MERCURY	2	CYANIDE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	10	2 84	0 91433	28 4	2	4 5	565	0 650733	3.513117	367 664	0 001	20	#N/A	#N/A	2	
MERCURY	2	CYANIDE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	10	2 84	0.91433	28 4	2	4.5	1396	1 095165	12 00667	1528 85	0 01	280	#N/A	#N/A	0	
MERCURY	2	DEPTH-BELOW-LAN	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	10	3 16	1.004656	31.6	2	5 5	18561	2322.994	304366	43117092	0 02	41485000	#N/A	#N/A	1	
MERCURY	2	DEPTH-BELOW-LAN	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	10	2 84	0 91433	28 4	2	4.5	18561	2322 994	304366	43117092	0 02	41485000	1 0045	#N/A	2	
MERCURY	2	DISSOLVED-OXYGE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	10	3.16	1.004656	31.6	2	5.5	21569	3.824813	7 578481	82497	0 1	545 4	-0 27332	0 5125	8	
MERCURY	2	DISSOLVED-OXYGE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	10	2 84	0 91433	28.4	2	4 5	21569	3 824813	7.578481	82497	0 1	545 4	0 9361	0 2288	3	
MERCURY	2	DISSOLVED-SOLID	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10	3 16	1.004656	31.6	2	5 5	20725	1497.404	13499	31033701	6	319000	-0.678	0 322	4	
MERCURY	2	DISSOLVED-SOLID	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10	2.84	0 91433	28.4	2	4.5	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	1	
MERCURY	2	HARDNESS	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10	3 16	1.004656	31.6	2	5.5	25507	382 224	1096 769	9749388	1	28000	0 60003	0 208	6	
MERCURY	2	HARDNESS	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10	2 84	0 91433	28 4	2	4.5	25507	382.224	1096 769	9749388	1	28000	-1	#N/A	2	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	10	3 16	1 004656	31.6	2	5.5	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	10	3.16	1.004656	31.6	2	5.5	2327	12508	62820	29106465	10	960000	#N/A	#N/A	1	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	10	3.16	1.004656	31.6	2	5.5	22424	2358.813	28780	52894030	0.1	2180000	0.22671	0.6249	7	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	10	3.16	1.004656	31.6	2	5.5	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	10	2.84	0.91433	28.4	2	4.5	2	620	878.8225	1240	140	1100	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	10	2.84	0.91433	28.4	2	4.5	2327	12508	62820	29106465	10	960000	0.54572	0.1616	8	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	10	2.84	0.91433	28.4	2	4.5	22424	2358.813	28780	52894030	0.1	2180000	-1	#N/A	2	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	10	2.84	0.91433	28.4	2	4.5	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	10	3.16	1.00466	31.6	2	5.5	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	10	3.16	1.00466	31.6	2	5.5	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
MERCURY	2	MANGANESE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	10	3.16	1.00466	31.6	2	5.5	21991	1007.092	17620	22146953	0.01	1130000	0.58642	0.1664	7	
MERCURY	2	MANGANESE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	10	2.84	0.91433	28.4	2	4.5	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	10	2.84	0.91433	28.4	2	4.5	1774	1132.239	6376.538	2008592	1	160000	0.51448	0.1921	8	
MERCURY	2	MANGANESE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	10	2.84	0.91433	28.4	2	4.5	21991	1007.092	17620	22146953	0.01	1130000	-0.96363	0.1722	3	
MERCURY	2	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	10	3.16	1.004656	31.6	2	5.5	6399	50.13064	681.1727	320786	0.02	24600	0.58888	0.2961	5	
MERCURY	2	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	10	3.16	1.004656	31.6	2	5.5	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
MERCURY	2	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	10	2.84	0.91433	28.4	2	4.5	6399	50.13064	681.1727	320786	0.02	24600	-1	#N/A	2	
MERCURY	2	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	10	2.84	0.91433	28.4	2	4.5	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
MERCURY	2	NITRATE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	10	3.16	1.004656	31.6	2	5.5	5663	8.003763	38.93465	45325	0.001	1600	0.51922	0.3899	5	
MERCURY	2	NITRATE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	10	2.84	0.91433	28.4	2	4.5	5663	8.003763	38.93465	45325	0.001	1600	-0.73294	0.4763	3	
MERCURY	2	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	10	3.16	1.004656	31.6	2	5.5	23214	0.037058	0.289409	860.264897	0.001	25	0.55807	0.1506	6	
MERCURY	2	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	10	3.16	1.004656	31.6	2	5.5	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
MERCURY	2	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	10	2.84	0.91433	28.4	2	4.5	23214	0.037058	0.289409	860.264897	0.001	25	-0.79556	0.0103	9	*
MERCURY	2	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	10	2.84	0.91433	28.4	2	4.5	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
MERCURY	2	PH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10	3.16	1.004656	31.6	2	5.5	43861	7.122161	0.878663	312385	0.1	12.8	0.045	0.9085	9	
MERCURY	2	PH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10	2.84	0.91433	28.4	2	4.5	43861	7.122161	0.878663	312385	0.1	12.8	0.64326	0.2416	5	
MERCURY	2	RADIUM-226	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	154	1.227987	1.930945	189.11	0.02	14	-1	#N/A	2	
MERCURY	2	RADIUM-226	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	230	0.280176	0.551313	64.4405	0.009	6.14	-1	#N/A	2	
MERCURY	2	RADIUM-226	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	154	1.227987	1.930945	189.11	0.02	14	-1	#N/A	2	
MERCURY	2	RADIUM-226	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	230	0.280176	0.551313	64.4405	0.009	6.14	-1	#N/A	2	
MERCURY	2	RADON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P76002	RADON 222-PE-P76002-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	4914	32.0677	18.5323	157581	7	250	0.66847	0.5356	3	
MERCURY	2	RADON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	4995	1162.253	3158.094	5805454	7	82082	0.00955	0.9904	4	
MERCURY	2	RADON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P76002	RADON 222-PE-P76002-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	4914	32.0677	18.5323	157581	7	250	1	#N/A	2	
MERCURY	2	RADON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	4995	1162.253	3158.094	5805454	7	82082	1	#N/A	2	
MERCURY	2	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10	3.16	1.004656	31.6	2	5.5	7865	55.57754	657.8106	437117	1	27000	-0.77194	0.2281	4	
MERCURY	2	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10	3.16	1.004656	31.6	2	5.5	961	2.578564	3.089181	2478	1	31	0.66884	0.5336	3	
MERCURY	2	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10	2.84	0.91433	28.4	2	4.5	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	1	
MERCURY	2	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10	2.84	0.91433	28.4	2	4.5	961	2.578564	3.089181	2478	1	31	-0.97368	0.1464	3	
MERCURY	2	SULFATE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	10	3.16	1.004656	31.6	2	5.5	26730	231.201	990.9965	6180003	0.03	37000	0.59999	0.1544	7	
MERCURY	2	SULFATE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	10	2.84	0.91433	28.4	2	4.5	26730	231.201	990.9965	6180003	0.03	37000	0.59093	0.0938	9	
MERCURY	2	THALLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10	3.16	1.004656	31.6	2	5.5	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
MERCURY	2	THALLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10	3.16	1.004656	31.6	2	5.5	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
MERCURY	2	THALLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10	2.84	0.91433	28.4	2	4.5	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
MERCURY	2	THALLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10	2.84	0.91433	28.4	2	4.5	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
MERCURY	2	TURBIDITY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	10	3.16	1.004656	31.6	2	5.5	2359	23.38229	85.84469	55112	0.01	1000	0.98718		3	

Appendix E-threshold National correlation analysis Correlation [illegible] and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	TURBIDITY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	10	2.84	0.91433	28.4	2	4.5	2359	23.38229	85.84469	55112	0.01	1000	1	#N/A	2	
MERCURY	2	URANIUM-235	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	1	
MERCURY	2	URANIUM-235	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	1	
MERCURY	2	URANIUM-238	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	10	3.16	1.004656	31.6	2	5.5	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	1	
MERCURY	2	URANIUM-238	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	10	2.84	0.91433	28.4	2	4.5	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	1	
MERCURY	2	WELL-DEPTH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	10	3.16	1.004656	31.6	2	5.5	105993	257.8247	364.157	27327615	0.5	7106	-0.10188	0.7942	9	
MERCURY	2	WELL-DEPTH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	10	2.84	0.91433	28.4	2	4.5	105993	257.8247	364.157	27327615	0.5	7106	0.31068	0.3823	10	
NICKEL	0	ALKALINITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	6399	50.13064	681.1727	320786	0.02	24600	2642	204.9232	148.8865	541407	3	4500	0.02495	0.4844	788	
NICKEL	0	ALKALINITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	818	21.85697	53.28237	17879	1	590	2642	204.9232	148.8865	541407	3	4500	0.30356	0.2362	17	
NICKEL	0	CONDUCTANCE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	6399	50.13064	681.1727	320786	0.02	24600	56711	1443.287	4687.848	81850239	1	249000	0.10367	0.0001	6009	*
NICKEL	0	CONDUCTANCE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	818	21.85697	53.28237	17879	1	590	56711	1443.287	4687.848	81850239	1	249000	-0.04726	0.2031	727	
NICKEL	0	DEPTH-BELOW-LAN	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	6399	50.13064	681.1727	320786	0.02	24600	18561	2322.994	304366	43117092	0.02	41465000	-0.0041	0.8559	1966	
NICKEL	0	DEPTH-BELOW-LAN	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	818	21.85697	53.28237	17879	1	590	18561	2322.994	304366	43117092	0.02	41465000	-0.04842	0.4659	229	
NICKEL	0	DISSOLVED-OXYGE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	6399	50.13064	681.1727	320786	0.02	24600	21569	3.824813	7.578481	82497	0.1	545.4	-0.00449	0.7725	4156	
NICKEL	0	DISSOLVED-OXYGE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	818	21.85697	53.28237	17879	1	590	21569	3.824813	7.578481	82497	0.1	545.4	0.10487	0.0902	262	
NICKEL	0	DISSOLVED-SOLID	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	6399	50.13064	681.1727	320786	0.02	24600	20725	1497.404	13499	31033701	6	319000	0.14537	0.0001	4834	*
NICKEL	0	DISSOLVED-SOLID	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	818	21.85697	53.28237	17879	1	590	20725	1497.404	13499	31033701	6	319000	0.12491	0.0209	342	*
NICKEL	0	HARDNESS	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	6399	50.13064	681.1727	320786	0.02	24600	25507	382.224	1096.769	9749388	1	28000	0.3021	0.0001	6135	*
NICKEL	0	HARDNESS	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	818	21.85697	53.28237	17879	1	590	25507	382.224	1096.769	9749388	1	28000	0.1327	0.0051	445	*
NICKEL	0	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	6399	50.13064	681.1727	320786	0.02	24600	23214	0.037058	0.289409	860.264897	0.001	25	0.11094	0.0001	4835	*
NICKEL	0	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	6399	50.13064	681.1727	320786	0.02	24600	835	0.031742	0.183455	26.504833	0.001	5	-0.11848	0.055	263	
NICKEL	0	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	818	21.85697	53.28237	17879	1	590	23214	0.037058	0.289409	860.264897	0.001	25	-0.00759	0.8992	281	
NICKEL	0	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	818	21.85697	53.28237	17879	1	590	835	0.031742	0.183455	26.504833	0.001	5	0.02765	0.6603	255	
NICKEL	0	PH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	6399	50.13064	681.1727	320786	0.02	24600	43861	7.122181	0.878663	312385	0.1	12.8	-0.11674	0.0001	5958	*
NICKEL	0	PH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	818	21.85697	53.28237	17879	1	590	43861	7.122181	0.878663	312385	0.1	12.8	-0.41056	0.0001	746	*
NICKEL	0	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	6399	50.13064	681.1727	320786	0.02	24600	7865	55.57754	657.8106	437117	1	27000	-0.00662	0.6647	4287	
NICKEL	0	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	6399	50.13064	681.1727	320786	0.02	24600	961	2.578564	3.089181	2478	1	31	0.51052	0.0001	301	*
NICKEL	0	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	818	21.85697	53.28237	17879	1	590	7865	55.57754	657.8106	437117	1	27000	-0.15876	0.0286	195	*
NICKEL	0	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	818	21.85697	53.28237	17879	1	590	961	2.578564	3.089181	2478	1	31	0.33583	0.0001	678	*
NICKEL	0	THALLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	6399	50.13064	681.1727	320786	0.02	24600	848	9.369458	17.94903	7945.3	0.5	102	0.2732	0.0001	640	*
NICKEL	0	THALLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	6399	50.13064	681.1727	320786	0.02	24600	350	4.434286	7.27558	1552	1	50	0.17406	0.007	239	*
NICKEL	0	THALLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	818	21.85697	53.28237	17879	1	590	848	9.369458	17.94903	7945.3	0.5	102	0.19876	0.003	221	*
NICKEL	0	THALLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	818	21.85697	53.28237	17879	1	590	350	4.434286	7.27558	1552	1	50	0.19394	0.0004	328	*
NICKEL	0	TURBIDITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	6399	50.13064	681.1727	320786	0.02	24600	2359	23.36229	85.84469	55112	0.01	1000	0.03741	0.1697	1349	
NICKEL	0	TURBIDITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	818	21.85697	53.28237	17879	1	590	2359	23.36229	85.84469	55112	0.01	1000	0.50731	0.0008	40	*
NICKEL	0	WELL-DEPTH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	6399	50.13064	681.1727	320786	0.02	24600	105993	257.8247	364.157	27327615	0.5	7106	-0.0069	0.6267	4913	
NICKEL	0	WELL-DEPTH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	818	21.85697	53.28237	17879	1	590	105993	257.8247	364.157	27327615	0.5	7106	-0.16559	0.0001	669	*
NICKEL	100	ALKALINITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	170	1578.224	3892.189	268298	100	24600	2642	204.9232	148.8865	541407	3	4500	0.23249	0.7067	5	
NICKEL	100	ALKALINITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	57	177.8947	106.3978	10140	100	590	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
NICKEL	100	ANTIMONY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	170	1578.224	3892.189	268298	100	24600	2940	7.838537	29.93498	23045	1	200	0.2556	0.0702	51	
NICKEL	100	ANTIMONY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	170	1578.224	3892.189	268298	100	24600	482	28.07158	61.3558	13531	1	200	-0.39528	0.3801	7	
NICKEL	100	ANTIMONY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	57	177.8947	106.3978	10140	100	590	2940	7.838537	29.93498	23045	1	200	0.71491	0.0134	11	*
NICKEL	100	ANTIMONY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	57	177.8947	106.3978	10140	100	590	482	28.07158	61.3558	13531	1	200	0.30622	0.0782	34	
NICKEL	100	ARSENIC	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	170	1578.224	3892.189	268298	100	24600	9943	9.090013	72.56837	90382	1	3800	-0.08511	0.4199	92	
NICKEL	100	ARSENIC	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	170	1578.224	3892.189	268298	100	24600	1294	17.47862	94.81877	22617	1	1400	-0.24531	0.3598	16	
NICKEL	100	ARSENIC	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	57	177.8947	106.3978	10140	100	590	9943	9.090013	72.56837	90382	1	3800	-0.00821	0.9734	19	

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	ARSENIC	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	57	177.8947	106.3978	10140	100	590	1294	17.47882	94.81877	22617	1	1400	0.44102	0.0031	43	*
NICKEL	100	BARIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	170	1578.224	3892.189	268298	100	24600	8200	120.7616	269.9694	990245	1	10000	0.18889	0.0171	159	*
NICKEL	100	BARIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	170	1578.224	3892.189	268298	100	24600	2	100	0	200	100	100	#N/A	#N/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	170	1578.224	3892.189	268298	100	24600	776	194.384	563.7236	150842	7	10000	-0.20276	0.7436	5	
NICKEL	100	BARIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	57	177.8947	106.3978	10140	100	590	8200	120.7616	269.9694	990245	1	10000	0.56863	0.0004	35	*
NICKEL	100	BARIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	57	177.8947	106.3978	10140	100	590	2	100	0	200	100	100	#N/A	#N/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	57	177.8947	106.3978	10140	100	590	776	194.384	563.7236	150842	7	10000	0.66561	0.0001	33	*
NICKEL	100	BERYLLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	170	1578.224	3892.189	268298	100	24600	6332	1.869	12.88026	11835	0.1	406	0.69839	0.0001	107	*
NICKEL	100	BERYLLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	170	1578.224	3892.189	268298	100	24600	627	3.52998	5.18639	2213.3	0.5	25	-0.81415	0.3944	3	
NICKEL	100	BERYLLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	57	177.8947	106.3978	10140	100	590	6332	1.869	12.88026	11835	0.1	406	-0.20444	0.3063	27	
NICKEL	100	BERYLLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	57	177.8947	106.3978	10140	100	590	627	3.52998	5.18639	2213.3	0.5	25	-0.32423	0.1061	26	
NICKEL	100	CADMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	170	1578.224	3892.189	268298	100	24600	9321	7.570965	108.8909	70569	0.01	5675	0.07297	0.3487	167	
NICKEL	100	CADMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	170	1578.224	3892.189	268298	100	24600	1131	4.464633	6.25633	5049.5	1	100	0.137	0.6405	14	
NICKEL	100	CADMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	57	177.8947	106.3978	10140	100	590	9321	7.570965	108.8909	70569	0.01	5675	-0.09914	0.571	35	
NICKEL	100	CADMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	57	177.8947	106.3978	10140	100	590	1131	4.464633	6.25633	5049.5	1	100	0.44239	0.003	43	*
NICKEL	100	CHROMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	170	1578.224	3892.189	268298	100	24600	9790	9.877542	276.7559	96701	0.02	27300	0.54727	0.0001	169	*
NICKEL	100	CHROMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	170	1578.224	3892.189	268298	100	24600	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	170	1578.224	3892.189	268298	100	24600	1274	13.5	43.20096	17199	1	1100	-0.44272	0.1129	14	
NICKEL	100	CHROMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	57	177.8947	106.3978	10140	100	590	9790	9.877542	276.7559	96701	0.02	27300	0.11884	0.4966	35	
NICKEL	100	CHROMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	57	177.8947	106.3978	10140	100	590	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	57	177.8947	106.3978	10140	100	590	1274	13.5	43.20096	17199	1	1100	0.4049	0.0071	43	*
NICKEL	100	CONDUCTANCE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	170	1578.224	3892.189	268298	100	24600	56711	1443.287	4687.848	81850239	1	249000	0.16301	0.0478	148	*
NICKEL	100	CONDUCTANCE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	57	177.8947	106.3978	10140	100	590	56711	1443.287	4687.848	81850239	1	249000	0.36947	0.0136	44	*
NICKEL	100	CYANIDE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	170	1578.224	3892.189	268298	100	24600	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	1	
NICKEL	100	CYANIDE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	170	1578.224	3892.189	268298	100	24600	1396	1.095165	12.00667	1528.85	0.01	280	0.99477	0.0651	3	
NICKEL	100	CYANIDE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	57	177.8947	106.3978	10140	100	590	565	0.650733	3.513117	367.664	0.001	20	-0.5005	0.0246	20	*
NICKEL	100	CYANIDE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	57	177.8947	106.3978	10140	100	590	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	2	
NICKEL	100	DEPTH-BELOW-LAN	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	170	1578.224	3892.189	268298	100	24600	18561	2322.994	304366	43117092	0.02	41465000	0.4377	0.0003	83	*
NICKEL	100	DEPTH-BELOW-LAN	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	57	177.8947	106.3978	10140	100	590	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	18	
NICKEL	100	DISSOLVED-OXYGE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	170	1578.224	3892.189	268298	100	24600	21569	3.824813	7.578481	82497	0.1	545.4	-0.04106	0.6912	96	
NICKEL	100	DISSOLVED-OXYGE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	57	177.8947	106.3978	10140	100	590	21569	3.824813	7.578481	82497	0.1	545.4	0.0078	0.9624	41	
NICKEL	100	DISSOLVED-SOLID	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	170	1578.224	3892.189	268298	100	24600	20725	1497.404	13499	31033701	6	319000	0.73205	0.0001	60	*
NICKEL	100	DISSOLVED-SOLID	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	57	177.8947	106.3978	10140	100	590	20725	1497.404	13499	31033701	6	319000	-0.21446	0.5519	10	
NICKEL	100	HARDNESS	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	170	1578.224	3892.189	268298	100	24600	25507	382.224	1096.769	9749388	1	28000	0.55816	0.0001	167	*
NICKEL	100	HARDNESS	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	57	177.8947	106.3978	10140	100	590	25507	382.224	1096.769	9749388	1	28000	0.04092	0.8211	33	
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	170	1578.224	3892.189	268298	100	24600	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	170	1578.224	3892.189	268298	100	24600	2327	12508	62820	29106465	10	960000	0.88499	0.0001	59	*
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	170	1578.224	3892.189	268298	100	24600	22424	2358.813	28780	52894030	0.1	2180000	0.49228	0.0001	169	*
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	170	1578.224	3892.189	268298	100	24600	195	55634	131042	10848720	0.01	864000	0.55986	0.0003	37	*
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	57	177.8947	106.3978	10140	100	590	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	57	177.8947	106.3978	10140	100	590	2327	12508	62820	29106465	10	960000	0.27788	0.0558	48	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	57	177.8947	106.3978	10140	100	590	22424	2358.813	28780	52894030	0.1	2180000	-0.13523	0.4531	33	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	57	177.8947	106.3978	10140	100	590	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	170	1578.224	3892.189	268298	100	24600	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	[illegible]	1578.224	3892.189	268298	100	24600	1774	1132.239	6378.538	2008592	1	160000	0.66039	0.0001	64	*
NICKEL	100	MANGANESE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	[illegible]	[illegible]	3892.189	268298	100	24600	21991	1007.092	17620	22146953	0.01	1130000	0.73596	[illegible]	167	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	MANGANESE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	57	177.8947	106.3978	10140	100	590	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	57	177 8947	106 3978	10140	100	590	1774	1132 239	6376 538	2008592	1	160000	-0.14086	0 296	57	
NICKEL	100	MANGANESE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	57	177.8947	106 3978	10140	100	590	21991	1007.092	17620	22146953	0 01	1130000	-0.17973	0 3015	35	
NICKEL	100	MERCURY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	170	1578 224	3892.189	268298	100	24600	3232	0 123963	0 198296	400 65	0 1	5 5	0.5071	0.0001	55	*
NICKEL	100	MERCURY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	170	1578 224	3892 189	268298	100	24600	1030	0 296816	0 435845	305.72	0 01	4 5	-0 81415	0 3944	3	
NICKEL	100	MERCURY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	57	177.8947	106 3978	10140	100	590	3232	0 123963	0.198296	400 65	0 1	5 5	1	#N/A	2	
NICKEL	100	MERCURY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	57	177.8947	106 3978	10140	100	590	1030	0 296816	0 435845	305 72	0 01	4 5	0 13363	0 5152	26	
NICKEL	100	NITRATE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	170	1578 224	3892.189	268298	100	24600	5663	8 003763	38 93465	45325	0 001	1600	0 91112	0 0001	21	*
NICKEL	100	NITRATE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	57	177 8947	106.3978	10140	100	590	5663	8.003763	38 93465	45325	0 001	1600	#N/A	#N/A	18	
NICKEL	100	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	170	1578 224	3892.189	268298	100	24600	23214	0 037058	0 289409	860 264897	0 001	25	0 95958	0 0001	55	*
NICKEL	100	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	170	1578 224	3892 189	268298	100	24600	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	2	
NICKEL	100	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	57	177 8947	106 3978	10140	100	590	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
NICKEL	100	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	57	177 8947	106 3978	10140	100	590	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	2	
NICKEL	100	PH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	170	1578 224	3892 189	268298	100	24600	43861	7.122161	0 878663	312385	0 1	12 8	-0 02077	0 8226	119	
NICKEL	100	PH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	57	177.8947	106 3978	10140	100	590	43861	7 122161	0 878663	312385	0 1	12 8	0 54951	0 0001	44	*
NICKEL	100	RADIUM-226	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	170	1578 224	3892.189	268298	100	24600	99	1 289899	3 734492	127 7	0 1	31	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	170	1578 224	3892 189	268298	100	24600	154	1 227987	1.930945	189.11	0 02	14	#N/A	#N/A	1	
NICKEL	100	RADIUM-226	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	170	1578 224	3892 189	268298	100	24600	230	0 280176	0.551313	64 4405	0.009	6 14	#N/A	#N/A	1	
NICKEL	100	RADIUM-226	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	57	177 8947	106.3978	10140	100	590	99	1 289899	3.734492	127 7	0 1	31	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	57	177 8947	106 3978	10140	100	590	154	1 227987	1.930945	189 11	0 02	14	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	57	177.8947	106 3978	10140	100	590	230	0 280176	0 551313	64.4405	0.009	6 14	#N/A	#N/A	0	
NICKEL	100	RADON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P76002	RADON 222-PE-P76002-(PCI/L)	170	1578 224	3892 189	268298	100	24600	4914	32 0677	18 5323	157581	7	250	0 00442	0 9802	34	
NICKEL	100	RADON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	170	1578 224	3892 189	268298	100	24600	4995	1182 253	3158 094	5805454	7	82082	0 00986	0 9545	36	
NICKEL	100	RADON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P76002	RADON 222-PE-P76002-(PCI/L)	57	177 8947	106 3978	10140	100	590	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
NICKEL	100	RADON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	57	177 8947	106 3978	10140	100	590	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	0	
NICKEL	100	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	170	1578 224	3892 189	268298	100	24600	7865	55 57754	657 8106	437117	1	27000	-0 09115	0 3929	90	
NICKEL	100	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	170	1578 224	3892.189	268298	100	24600	961	2 578584	3 089181	2478	1	31	0 95812	0 0001	12	*
NICKEL	100	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	57	177 8947	106.3978	10140	100	590	7865	55 57754	657 8106	437117	1	27000	0 53828	0 0174	19	*
NICKEL	100	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	57	177 8947	106 3978	10140	100	590	961	2 578584	3 089181	2478	1	31	-0 16782	0 3428	34	
NICKEL	100	SULFATE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	170	1578 224	3892 189	268298	100	24600	26730	231.201	990.9965	6180003	0 03	37000	0 61033	0 0001	168	*
NICKEL	100	SULFATE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	57	177 8947	106.3978	10140	100	590	26730	231 201	990 9965	6180003	0 03	37000	-0 1046	0 5438	36	
NICKEL	100	THALLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	170	1578 224	3892 189	268298	100	24600	848	9 369458	17.94903	7945 3	0 5	102	1	#N/A	2	
NICKEL	100	THALLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	170	1578 224	3892 189	268298	100	24600	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	3	
NICKEL	100	THALLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	57	177 8947	106 3978	10140	100	590	848	9 369458	17 94903	7945 3	0 5	102	#N/A	#N/A	2	
NICKEL	100	THALLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	57	177.8947	106 3978	10140	100	590	350	4 434286	7 27558	1552	1	50	0 10123	0 6458	23	
NICKEL	100	TURBIDITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	170	1578.224	3892 189	268298	100	24600	2359	23 36229	85 84469	55112	0 01	1000	0 75905	0 0016	14	*
NICKEL	100	TURBIDITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	57	177 8947	106.3978	10140	100	590	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
NICKEL	100	URANIUM-235	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	170	1578 224	3892 189	268298	100	24600	141	56 54043	200 9786	7972 2	0 1	1300	0 07696	0 7402	21	
NICKEL	100	URANIUM-235	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	57	177.8947	106 3978	10140	100	590	141	56 54043	200 9786	7972 2	0.1	1300	#N/A	#N/A	0	
NICKEL	100	URANIUM-238	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	170	1578 224	3892 189	268298	100	24600	141	2844 557	18195	401083	0 1	210000	-0 14466	0 5316	21	
NICKEL	100	URANIUM-238	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	57	177.8947	106 3978	10140	100	590	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
NICKEL	100	WELL-DEPTH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	170	1578.224	3892.189	268298	100	24600	105993	257.8247	364.157	27327815	0 5	7106	0 314	0 0174	57	*
NICKEL	100	WELL-DEPTH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	57	177.8947	106 3978	10140	100	590	105993	257 8247	364 157	27327815	0 5	7106	-0 13258	0 5185	26	
NITRATE	0	ALKALINITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5663	8.003763	38 93465	45325	0.001	1600	2642	204.9232	148 8865	541407	3	4500	0 06107	0 1636	522	
NITRATE	0	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5663	8 003763	38 93465	45325	0.001	1600	2940	7 838537	29 93498	23045	1	200	-0 08996	0 0259	613	*
NITRATE	0	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5663	8 003763	38 93465	45325	0.001	1600	482	28.07158	61.3558	13531	1	200	-0 42165	0 0049	43	*

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHREG	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	0	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5663	8.003763	38.93465	45325	0.001	1600	8200	120.7616	269.9694	990245	1	10000	0.04514	0.0803	1502	
NITRATE	0	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5663	8.003763	38.93465	45325	0.001	1600	2	100	0	200	100	100	#N/A	#N/A	0	
NITRATE	0	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5663	8.003763	38.93465	45325	0.001	1600	776	194.384	563.7236	150842	7	10000	-0.08781	0.2492	174	
NITRATE	0	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5663	8.00376	38.93465	45325	0.001	1600	6332	1.869	12.88026	11835	0.1	406	0.03558	0.2197	1192	
NITRATE	0	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5663	8.00376	38.93465	45325	0.001	1600	627	3.52998	5.18639	2213.3	0.5	25	-0.0199	0.9083	36	
NITRATE	0	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5663	8.003763	38.93465	45325	0.001	1600	9321	7.570965	108.8909	70569	0.01	5675	0.00586	0.8221	1474	
NITRATE	0	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5663	8.003763	38.93465	45325	0.001	1600	1131	4.464833	6.25633	5049.5	1	100	0.14653	0.0581	166	
NITRATE	0	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5663	8.003763	38.93465	45325	0.001	1600	9790	9.877542	276.7559	96701	0.02	27300	-0.00014	0.9955	1499	
NITRATE	0	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5663	8.003763	38.93465	45325	0.001	1600	952	13.00315	41.66239	12379	1	630	-0.02124	0.8218	115	
NITRATE	0	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5663	8.003763	38.93465	45325	0.001	1600	1274	13.5	43.20096	17199	1	1100	-0.10619	0.1259	209	
NITRATE	0	CONDUCTANCE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5663	8.003763	38.93465	45325	0.001	1600	56711	1443.287	4687.848	81850239	1	249000	0.30673	0.0001	4987	*
NITRATE	0	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5663	8.003763	38.93465	45325	0.001	1600	565	0.650733	3.513117	367.664	0.001	20	-0.24876	0.0254	82	*
NITRATE	0	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5663	8.003763	38.93465	45325	0.001	1600	1396	1.095165	12.00667	1528.85	0.01	280	0.69416	0.0001	86	*
NITRATE	0	DEPTH-BELOW-LAN	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5663	8.003763	38.93465	45325	0.001	1600	18561	2322.994	304366	43117092	0.02	41485000	0.00553	0.7878	2370	
NITRATE	0	DISSOLVED-OXYGE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5663	8.003763	38.93465	45325	0.001	1600	21569	3.824813	7.578481	82497	0.1	545.4	-0.08765	0.0001	2753	*
NITRATE	0	DISSOLVED-SOLID	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5663	8.003763	38.93465	45325	0.001	1600	20725	1497.404	13499	31033701	6	319000	0.13162	0.0001	2803	*
NITRATE	0	HARDNESS	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5663	8.003763	38.93465	45325	0.001	1600	25507	382.224	1096.769	9749388	1	28000	0.12463	0.0001	3460	*
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5663	8.003763	38.93465	45325	0.001	1600	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5663	8.003763	38.93465	45325	0.001	1600	2327	12508	62820	29106465	10	960000	-0.09272	0.123	278	
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5663	8.003763	38.93465	45325	0.001	1600	22424	2358.813	28780	52894030	0.1	2180000	-0.0128	0.4747	3122	
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	5663	8.003763	38.93465	45325	0.001	1600	195	55634	131042	10848720	0.01	864000	-0.16658	0.3969	28	
NITRATE	0	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5663	8.00376	38.93465	45325	0.001	1600	7	9.28571	20.18362	65	1	55	#N/A	#N/A	0	
NITRATE	0	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5663	8.00376	38.93465	45325	0.001	1600	1774	1132.239	6376.538	2008592	1	160000	-0.14585	0.0179	263	*
NITRATE	0	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5663	8.00376	38.93465	45325	0.001	1600	21991	1007.092	17620	22146953	0.01	1130000	-0.01141	0.5284	3054	
NITRATE	0	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5663	8.003763	38.93465	45325	0.001	1600	3232	0.123963	0.198296	400.65	0.1	5.5	0.3207	0.0001	443	*
NITRATE	0	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5663	8.003763	38.93465	45325	0.001	1600	1030	0.296816	0.435845	305.72	0.01	4.5	-0.24799	0.0009	175	*
NITRATE	0	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5663	8.003763	38.93465	45325	0.001	1600	6399	50.13064	681.1727	320786	0.02	24600	0.03455	0.2341	1188	
NITRATE	0	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5663	8.003763	38.93465	45325	0.001	1600	818	21.85697	53.28237	17879	1	590	-0.44415	0.0005	58	*
NITRATE	0	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5663	8.003763	38.93465	45325	0.001	1600	23214	0.037058	0.289409	860.264897	0.001	25	0.23569	0.0001	4453	*
NITRATE	0	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5663	8.003763	38.93465	45325	0.001	1600	835	0.031742	0.183455	26.504833	0.001	5	0.19714	0.0777	81	
NITRATE	0	PH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5663	8.003763	38.93465	45325	0.001	1600	43861	7.122161	0.878663	312385	0.1	12.8	-0.00619	0.6665	4855	
NITRATE	0	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5663	8.003763	38.93465	45325	0.001	1600	7865	55.57754	657.8106	437117	1	27000	0.45438	0.0001	1161	*
NITRATE	0	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5663	8.003763	38.93465	45325	0.001	1600	961	2.578564	3.089181	2478	1	31	0.31225	0.0001	179	*
NITRATE	0	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5663	8.003763	38.93465	45325	0.001	1600	848	9.369458	17.94903	7945.3	0.5	102	0.35292	0.0001	128	*
NITRATE	0	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5663	8.003763	38.93465	45325	0.001	1600	350	4.434286	7.27558	1552	1	50	0.10443	0.563	33	
NITRATE	0	TURBIDITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	5663	8.003763	38.93465	45325	0.001	1600	2359	23.36229	85.84489	55112	0.01	1000	-0.05088	0.3046	409	
NITRATE	0	URANIUM-235	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5663	8.003763	38.93465	45325	0.001	1600	141	56.54043	200.9786	7972.2	0.1	1300	0.78102	0.013	9	*
NITRATE	0	URANIUM-238	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5663	8.003763	38.93465	45325	0.001	1600	141	2844.557	18195	401083	0.1	210000	0.72638	0.0267	9	*
NITRATE	0	WELL-DEPTH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	5663	8.003763	38.93465	45325	0.001	1600	105993	257.8247	364.157	27327615	0.5	7106	-0.06917	0.0001	4581	*
NITRATE	8	ALKALINITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	992	36.86525	87.35025	36570	8.01	1600	2642	204.9232	148.8865	541407	3	4500	0.31817	0.0132	60	*
NITRATE	8	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	992	36.86525	87.35025	36570	8.01	1600	2940	7.838537	29.93498	23045	1	200	-0.06581	0.5802	73	
NITRATE	8	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	992	36.86525	87.35025	36570	8.01	1600	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
NITRATE	8	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	992	36.86525	87.35025	36570	8.01	1600	9943	9.090013	72.56837	90382	1	3800	-0.04517	0.5171	208	
NITRATE	8	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	992	36.86525	87.35025	36570	8.01	1600	1294	17.47882	94.81877	22617	1	1400	#N/A	#N/A	12	
NITRATE	8	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	992	36.86525	87.35025	36570	8.01	1600	8200	120.7616	269.9694	990245	1	10000	0.26281	[illegible]	206	*
NITRATE	8	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	[illegible]	[illegible]525	87.35025	36570	8.01	1600	2	100	0	200	100	100	#N/A	[illegible]	0	

Appendix E-threshold National correlation analysis. Correlation [illegible] and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	8	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	992	36.86525	87.35025	36570	8.01	1600	776	194.384	583.7236	150842	7	10000	#N/A	#N/A	10	
NITRATE	8	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	992	36.86525	87.35025	36570	8.01	1600	6332	1.869	12.88026	11835	0.1	406	-0.04131	0.5756	186	
NITRATE	8	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	992	36.86525	87.35025	36570	8.01	1600	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
NITRATE	8	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	992	36.86525	87.35025	36570	8.01	1600	9321	7.570965	108.8909	70569	0.01	5675	0.02822	0.6815	214	
NITRATE	8	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	992	36.86525	87.35025	36570	8.01	1600	1131	4.464833	6.25833	5049.5	1	100	#N/A	#N/A	10	
NITRATE	8	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	992	36.86525	87.35025	36570	8.01	1600	9790	9.877542	276.7559	96701	0.02	27300	0.03921	0.5684	214	
NITRATE	8	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	992	36.86525	87.35025	36570	8.01	1600	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	2	
NITRATE	8	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	992	36.86525	87.35025	36570	8.01	1600	1274	13.5	43.20096	17199	1	1100	-0.01678	0.9633	10	
NITRATE	8	CONDUCTANCE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	992	36.86525	87.35025	36570	8.01	1600	56711	1443.287	4687.848	81850239	1	249000	0.46383	0.0001	808	*
NITRATE	8	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	992	36.86525	87.35025	36570	8.01	1600	565	0.650733	3.513117	367.664	0.001	20	0.97066	0.0001	11	*
NITRATE	8	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	992	36.86525	87.35025	36570	8.01	1600	1396	1.095165	12.00667	1528.85	0.01	280	0.92684	0.0078	6	*
NITRATE	8	DEPTH-BELOW-LAN	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	992	36.86525	87.35025	36570	8.01	1600	18561	2322.994	304366	43117092	0.02	41465000	-0.01025	0.825	468	
NITRATE	8	DISSOLVED-OXYGE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	992	36.86525	87.35025	36570	8.01	1600	21569	3.824813	7.578481	82497	0.1	545.4	-0.24029	0.0001	583	*
NITRATE	8	DISSOLVED-SOLID	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	992	36.86525	87.35025	36570	8.01	1600	20725	1497.404	13499	31033701	6	319000	0.13226	0.006	430	*
NITRATE	8	HARDNESS	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	992	36.86525	87.35025	36570	8.01	1600	25507	382.224	1096.789	9749388	1	28000	0.09472	0.0361	490	*
NITRATE	8	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	992	36.86525	87.35025	36570	8.01	1600	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
NITRATE	8	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	992	36.86525	87.35025	36570	8.01	1600	2327	12508	62820	29106465	10	960000	0.02854	0.9164	16	
NITRATE	8	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	992	36.86525	87.35025	36570	8.01	1600	22424	2358.813	28780	52894030	0.1	2180000	-0.01886	0.6999	420	
NITRATE	8	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	992	36.86525	87.35025	36570	8.01	1600	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	1	
NITRATE	8	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	992	36.86525	87.35025	36570	8.01	1600	7	9.28571	20.16382	65	1	55	#N/A	#N/A	0	
NITRATE	8	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	992	36.86525	87.35025	36570	8.01	1600	1774	1132.239	6376.538	2008592	1	160000	0.43005	0.1096	15	
NITRATE	8	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	992	36.86525	87.35025	36570	8.01	1600	21991	1007.092	17620	22146953	0.01	1130000	0.00597	0.903	419	
NITRATE	8	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	992	36.86525	87.35025	36570	8.01	1600	3232	0.123963	0.198296	400.65	0.1	5.5	0.1219	0.6191	19	
NITRATE	8	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	992	36.86525	87.35025	36570	8.01	1600	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	10	
NITRATE	8	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	992	36.86525	87.35025	36570	8.01	1600	6399	50.13064	681.1727	320786	0.02	24600	-0.01191	0.8712	188	
NITRATE	8	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	992	36.86525	87.35025	36570	8.01	1600	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
NITRATE	8	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	992	36.86525	87.35025	36570	8.01	1600	23214	0.037058	0.289409	860.264897	0.001	25	0.22585	0.0001	941	*
NITRATE	8	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	992	36.86525	87.35025	36570	8.01	1600	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	1	
NITRATE	8	PH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	992	36.86525	87.35025	36570	8.01	1600	43861	7.122161	0.878663	312385	0.1	12.8	0.0776	0.0234	853	*
NITRATE	8	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
NITRATE	8	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	154	1.227987	1.930945	189.11	0.02	14	-0.05893	0.925	5	
NITRATE	8	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	230	0.280176	0.551313	64.4405	0.009	6.14	-0.04533	0.9423	5	
NITRATE	8	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	4914	32.0677	18.5323	157581	7	250	-0.16976	0.0982	96	
NITRATE	8	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	4995	1162.253	3158.094	5805454	7	82082	-0.10738	0.2951	97	
NITRATE	8	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	992	36.86525	87.35025	36570	8.01	1600	7865	55.57754	657.8106	437117	1	27000	0.35273	0.0001	164	*
NITRATE	8	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	992	36.86525	87.35025	36570	8.01	1600	961	2.578564	3.089181	2478	1	31	0.69868	0.0115	12	*
NITRATE	8	SULFATE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	992	36.86525	87.35025	36570	8.01	1600	26730	231.201	990.9965	6180003	0.03	37000	0.05618	0.2049	511	
NITRATE	8	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	992	36.86525	87.35025	36570	8.01	1600	848	9.369458	17.94903	7945.3	0.5	102	0.96981	0.0063	5	*
NITRATE	8	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	992	36.86525	87.35025	36570	8.01	1600	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
NITRATE	8	TURBIDITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	992	36.86525	87.35025	36570	8.01	1600	2359	23.36229	85.84469	55112	0.01	1000	-0.2653	0.0626	50	
NITRATE	8	URANIUM-235	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	1	
NITRATE	8	URANIUM-238	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	992	36.86525	87.35025	36570	8.01	1600	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	1	
NITRATE	8	WELL-DEPTH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	992	36.86525	87.35025	36570	8.01	1600	105993	257.8247	364.157	27327615	0.5	7106	-0.06622	0.0535	851	
NITRATE	10	ALKALINITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	775	44.64265	97.42827	34598	10	1600	2642	204.9232	148.8865	541407	3	4500	0.26024	0.0919	43	
NITRATE	10	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	775	44.64265	97.42827	34598	10	1600	2940	7.838537	29.93498	23045	1	200	-0.12089	0.4131	48	
NITRATE	10	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	775	44.64265	97.42827	34598	10	1600	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	10	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	775	44.64265	97.42827	34598	10	1600	9943	9.090013	72.56837	90382	1	3800	-0.05007	0.5321	158	
NITRATE	10	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	775	44.64265	97.42827	34598	10	1600	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	8	
NITRATE	10	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	775	44.64265	97.42827	34598	10	1600	8200	120.7616	269.9694	990245	1	10000	0.29545	0.0002	155	*
NITRATE	10	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	775	44.64265	97.42827	34598	10	1600	2	100	0	200	100	100	#N/A	#N/A	0	
NITRATE	10	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	775	44.64265	97.42827	34598	10	1600	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	6	
NITRATE	10	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	775	44.64265	97.42827	34598	10	1600	6332	1.869	12.88026	11835	0.1	406	-0.07172	0.398	141	
NITRATE	10	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	775	44.64265	97.42827	34598	10	1600	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
NITRATE	10	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	775	44.64265	97.42827	34598	10	1600	9321	7.570965	108.8909	70569	0.01	5675	0.02158	0.7659	181	
NITRATE	10	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	775	44.64265	97.42827	34598	10	1600	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	6	
NITRATE	10	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	775	44.64265	97.42827	34598	10	1600	9790	9.877542	276.7559	96701	0.02	27300	0.03258	0.6816	161	
NITRATE	10	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	775	44.64265	97.42827	34598	10	1600	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	2	
NITRATE	10	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	775	44.64265	97.42827	34598	10	1600	1274	13.5	43.20096	17199	1	1100	0.56428	0.2434	6	
NITRATE	10	CONDUCTANCE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	775	44.64265	97.42827	34598	10	1600	56711	1443.287	4687.848	81850239	1	249000	0.45473	0.0001	634	*
NITRATE	10	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	775	44.64265	97.42827	34598	10	1600	565	0.650733	3.513117	367.664	0.001	20	0.97413	0.0002	7	*
NITRATE	10	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	775	44.64265	97.42827	34598	10	1600	1396	1.095165	12.00667	1528.85	0.01	260	0.98618	0.0138	4	*
NITRATE	10	DEPTH-BELOW-LAN	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	775	44.64265	97.42827	34598	10	1600	18561	2322.994	304366	43117092	0.02	41465000	-0.01496	0.7734	373	
NITRATE	10	DISSOLVED-OXYGE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	775	44.64265	97.42827	34598	10	1600	21569	3.824613	7.578481	82497	0.1	545.4	-0.255	0.0001	469	*
NITRATE	10	DISSOLVED-SOLID	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	775	44.64265	97.42827	34598	10	1600	20725	1497.404	13499	31033701	6	319000	0.11889	0.0308	330	*
NITRATE	10	HARDNESS	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	775	44.64265	97.42827	34598	10	1600	25507	382.224	1096.769	9749388	1	28000	0.07433	0.1536	370	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	775	44.64265	97.42827	34598	10	1600	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	775	44.64265	97.42827	34598	10	1600	2327	12508	62820	29106465	10	960000	-0.12659	0.7652	8	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	775	44.64265	97.42827	34598	10	1600	22424	2358.613	28780	52894030	0.1	2160000	-0.01681	0.7674	312	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	775	44.64265	97.42827	34598	10	1600	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	1	
NITRATE	10	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	775	44.64265	97.42827	34598	10	1600	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
NITRATE	10	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	775	44.64265	97.42827	34598	10	1600	1774	1132.239	6376.538	2008592	1	160000	0.16464	0.7243	7	
NITRATE	10	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	775	44.64265	97.42827	34598	10	1600	21991	1007.092	17620	22146953	0.01	1130000	-0.00123	0.9828	311	
NITRATE	10	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	775	44.64265	97.42827	34598	10	1600	3232	0.123963	0.198296	400.65	0.1	5.5	0.04458	0.8746	15	
NITRATE	10	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	775	44.64265	97.42827	34598	10	1600	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	6	
NITRATE	10	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	775	44.64265	97.42827	34598	10	1600	6399	50.13064	681.1727	320786	0.02	24600	-0.0261	0.7562	144	
NITRATE	10	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	775	44.64265	97.42827	34598	10	1600	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
NITRATE	10	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	775	44.64265	97.42827	34598	10	1600	23214	0.037058	0.289409	860.264897	0.001	25	0.21877	0.0001	748	*
NITRATE	10	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	775	44.64265	97.42827	34598	10	1600	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	1	
NITRATE	10	PH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	775	44.64265	97.42827	34598	10	1600	43861	7.122161	0.878663	312385	0.1	12.8	0.08102	0.034	675	*
NITRATE	10	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	775	44.64265	97.42827	34598	10	1600	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
NITRATE	10	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	775	44.64265	97.42827	34598	10	1600	154	1.227987	1.930945	189.11	0.02	14	-0.39659	0.6034	4	
NITRATE	10	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	775	44.64265	97.42827	34598	10	1600	230	0.280176	0.551313	64.4405	0.009	6.14	-0.40267	0.5973	4	
NITRATE	10	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	775	44.64265	97.42827	34598	10	1600	4914	32.0677	18.5323	157581	7	250	-0.18093	0.1283	72	
NITRATE	10	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	775	44.64265	97.42827	34598	10	1600	4995	1162.253	3158.094	5805454	7	82082	-0.05301	0.656	73	
NITRATE	10	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	775	44.64265	97.42827	34598	10	1600	7865	55.57754	657.8106	437117	1	27000	0.33229	0.0001	128	*
NITRATE	10	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	775	44.64265	97.42827	34598	10	1600	961	2.578564	3.089181	2478	1	31	0.77842	0.0229	8	*
NITRATE	10	SULFATE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	775	44.64265	97.42827	34598	10	1600	26730	231.201	990.9965	6180003	0.03	37000	0.03974	0.4392	381	
NITRATE	10	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	775	44.64265	97.42827	34598	10	1600	848	9.369458	17.94903	7945.3	0.5	102	1	#N/A	2	
NITRATE	10	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	775	44.64265	97.42827	34598	10	1600	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
NITRATE	10	TURBIDITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	775	44.64265	97.42827	34598	10	1600	2359	23.36229	85.84469	55112	0.01	1000	-0.18603	0.2774	36	
NITRATE	10	URANIUM-235	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	775	44.64265	97.42827	34598	10	1600	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
NITRATE	10	URANIUM-238	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	[illegible]	[illegible]4265	97.42827	34598	10	1600	141	2844.557	18195	401083	0.1	210000	#N/A	[illegible]	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	10	WELL-DEPTH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	775	44.84265	97.42827	34598	10	1600	105993	257.8247	364.157	27327615	0.5	7106	-0.0604	0.1175	673	
NITRITE	0	ALKALINITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	23214	0.037058	0.289409	860.264897	0.001	25	2642	204.9232	148.8865	541407	3	4500	0.08179	0.0002	2003	*
NITRITE	0	ALKALINITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	835	0.031742	0.183455	26.504833	0.001	5	2642	204.9232	148.8865	541407	3	4500	-0.30831	0.3861	10	
NITRITE	0	CONDUCTANCE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	23214	0.037058	0.289409	860.264897	0.001	25	56711	1443.287	4687.848	81850239	1	249000	0.19129	0.0001	21686	*
NITRITE	0	CONDUCTANCE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	835	0.031742	0.183455	26.504833	0.001	5	56711	1443.287	4687.848	81850239	1	249000	-0.03172	0.4041	694	
NITRITE	0	DEPTH-BELOW-LAN	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	23214	0.037058	0.289409	860.264897	0.001	25	18561	2322.994	304366	43117092	0.02	41465000	-0.00118	0.9187	7801	
NITRITE	0	DEPTH-BELOW-LAN	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	835	0.031742	0.183455	26.504833	0.001	5	18561	2322.994	304366	43117092	0.02	41465000	0.07072	0.2513	265	
NITRITE	0	DISSOLVED-OXYGE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	23214	0.037058	0.289409	860.264897	0.001	25	21569	3.824813	7.578481	82497	0.1	545.4	-0.03424	0.0002	12066	*
NITRITE	0	DISSOLVED-OXYGE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	835	0.031742	0.183455	26.504833	0.001	5	21569	3.824813	7.578481	82497	0.1	545.4	0.02334	0.6887	297	
NITRITE	0	DISSOLVED-SOLID	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	23214	0.037058	0.289409	860.264897	0.001	25	20725	1497.404	13499	31033701	6	319000	0.29656	0.0001	15476	*
NITRITE	0	DISSOLVED-SOLID	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	835	0.031742	0.183455	26.504833	0.001	5	20725	1497.404	13499	31033701	6	319000	-0.03146	0.5134	434	
NITRITE	0	HARDNESS	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	23214	0.037058	0.289409	860.264897	0.001	25	25507	382.224	1096.769	9749388	1	28000	0.26483	0.0001	17234	*
NITRITE	0	HARDNESS	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	835	0.031742	0.183455	26.504833	0.001	5	25507	382.224	1096.769	9749388	1	28000	-0.03965	0.3339	596	
NITRITE	0	PH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	23214	0.037058	0.289409	860.264897	0.001	25	43881	7.122161	0.878683	312385	0.1	12.8	0.01695	0.0128	21570	*
NITRITE	0	PH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	835	0.031742	0.183455	26.504833	0.001	5	43881	7.122161	0.878683	312385	0.1	12.8	-0.1496	0.0001	737	*
NITRITE	0	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	23214	0.037058	0.289409	860.264897	0.001	25	7865	55.57754	657.8106	437117	1	27000	0.18382	0.0001	6093	*
NITRITE	0	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	23214	0.037058	0.289409	860.264897	0.001	25	961	2.578564	3.089181	2478	1	31	0.69705	0.0001	333	*
NITRITE	0	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	835	0.031742	0.183455	26.504833	0.001	5	7865	55.57754	657.8106	437117	1	27000	-0.7614	0.0001	87	*
NITRITE	0	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	835	0.031742	0.183455	26.504833	0.001	5	961	2.578564	3.089181	2478	1	31	-0.02154	0.7241	271	
NITRITE	0	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	23214	0.037058	0.289409	860.264897	0.001	25	848	9.369458	17.94903	7945.3	0.5	102	0.12718	0.0088	423	*
NITRITE	0	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	23214	0.037058	0.289409	860.264897	0.001	25	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	27	
NITRITE	0	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	835	0.031742	0.183455	26.504833	0.001	5	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	23	
NITRITE	0	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	835	0.031742	0.183455	26.504833	0.001	5	350	4.434286	7.27558	1552	1	50	0.11247	0.1147	198	
NITRITE	0	TURBIDITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	23214	0.037058	0.289409	860.264897	0.001	25	2359	23.36229	85.84469	55112	0.01	1000	0.01522	0.5201	1788	
NITRITE	0	TURBIDITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	835	0.031742	0.183455	26.504833	0.001	5	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	76	
NITRITE	0	WELL-DEPTH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	23214	0.037058	0.289409	860.264897	0.001	25	105993	257.8247	364.157	27327615	0.5	7106	-0.04116	0.0001	20068	*
NITRITE	0	WELL-DEPTH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	835	0.031742	0.183455	26.504833	0.001	5	105993	257.8247	364.157	27327615	0.5	7106	-0.07701	0.0429	692	*
NITRITE	1	ALKALINITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	188	2.498271	1.997607	469.675	1	25	2642	204.9232	148.8865	541407	3	4500	-0.02931	0.8575	40	
NITRITE	1	ALKALINITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	3.3	2.404163	6.6	1.6	5	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	188	2.498271	1.997607	469.675	1	25	2940	7.838537	29.93498	23045	1	200	0.5	0.6667	3	
NITRITE	1	ANTIMONY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	188	2.498271	1.997607	469.675	1	25	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2	3.3	2.404163	6.6	1.6	5	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2	3.3	2.404163	6.6	1.6	5	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
NITRITE	1	ARSENIC	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	188	2.498271	1.997607	469.675	1	25	9943	9.090013	72.56837	90382	1	3800	-0.06981	0.63	50	
NITRITE	1	ARSENIC	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	188	2.498271	1.997607	469.675	1	25	1294	17.47862	94.61877	22617	1	1400	#N/A	#N/A	2	
NITRITE	1	ARSENIC	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2	3.3	2.404163	6.6	1.6	5	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
NITRITE	1	ARSENIC	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2	3.3	2.404163	6.6	1.6	5	1294	17.47862	94.61877	22617	1	1400	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	188	2.498271	1.997607	469.675	1	25	8200	120.7616	269.9694	990245	1	10000	-0.23817	0.0541	66	
NITRITE	1	BARIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	188	2.498271	1.997607	469.675	1	25	2	100	0	200	100	100	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	188	2.498271	1.997607	469.675	1	25	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2	3.3	2.404163	6.6	1.6	5	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2	3.3	2.404163	6.6	1.6	5	2	100	0	200	100	100	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2	3.3	2.404163	6.6	1.6	5	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	188	2.49827	1.99761	469.675	1	25	6332	1.869	12.88026	11835	0.1	406	0.21657	0.0831	65	
NITRITE	1	BERYLLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	188	2.49827	1.99761	469.675	1	25	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2	3.3	2.40416	6.6	1.6	5	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	BERYLLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2	3.3	2.40416	6.6	1.6	5	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	188	2.498271	1.997607	469.675	1	25	9321	7.570965	108.8909	70569	0.01	5675	0.22691	0.0669	66	
NITRITE	1	CADMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	188	2.498271	1.997607	469.675	1	25	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2	3.3	2.404163	6.6	1.6	5	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2	3.3	2.404163	6.6	1.6	5	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	188	2.498271	1.997607	469.675	1	25	9790	9.877542	276.7559	96701	0.02	27300	-0.07879	0.5327	65	
NITRITE	1	CHROMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	188	2.498271	1.997607	469.675	1	25	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	188	2.498271	1.997607	469.675	1	25	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2	3.3	2.404163	6.6	1.6	5	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2	3.3	2.404163	6.6	1.6	5	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2	3.3	2.404163	6.6	1.6	5	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
NITRITE	1	CONDUCTANCE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	188	2.498271	1.997607	469.675	1	25	56711	1443.287	4887.848	81850239	1	249000	0.33549	0.0001	177	*
NITRITE	1	CONDUCTANCE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	3.3	2.404163	6.6	1.6	5	56711	1443.287	4887.848	81850239	1	249000	-1	#N/A	2	
NITRITE	1	CYANIDE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	188	2.498271	1.997607	469.675	1	25	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
NITRITE	1	CYANIDE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	188	2.498271	1.997607	469.675	1	25	1396	1.095165	12.00667	1528.85	0.01	280	-1	#N/A	2	
NITRITE	1	CYANIDE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2	3.3	2.404163	6.6	1.6	5	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
NITRITE	1	CYANIDE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2	3.3	2.404163	6.6	1.6	5	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
NITRITE	1	DEPTH-BELOW-LAN	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	188	2.498271	1.997607	469.675	1	25	18561	2322.994	304366	43117092	0.02	41465000	-0.04271	0.61	145	
NITRITE	1	DEPTH-BELOW-LAN	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	3.3	2.404163	6.6	1.6	5	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-OXYGE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	188	2.498271	1.997607	469.675	1	25	21569	3.824813	7.578481	82497	0.1	545.4	-0.01419	0.8825	111	
NITRITE	1	DISSOLVED-OXYGE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	3.3	2.404163	6.6	1.6	5	21569	3.824813	7.578481	82497	0.1	545.4	1	#N/A	2	
NITRITE	1	DISSOLVED-SOLID	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	188	2.498271	1.997607	469.675	1	25	20725	1497.404	13499	31033701	6	319000	0.3622	0.0066	55	*
NITRITE	1	DISSOLVED-SOLID	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	3.3	2.404163	6.6	1.6	5	20725	1497.404	13499	31033701	6	319000	-1	#N/A	2	
NITRITE	1	HARDNESS	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	188	2.498271	1.997607	469.675	1	25	25507	382.224	1096.769	9749388	1	28000	0.27844	0.0179	72	*
NITRITE	1	HARDNESS	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	3.3	2.404163	6.6	1.6	5	25507	382.224	1096.769	9749388	1	28000	1	#N/A	2	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	188	2.498271	1.997607	469.675	1	25	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	188	2.498271	1.997607	469.675	1	25	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	188	2.498271	1.997607	469.675	1	25	22424	2358.813	28780	52894030	0.1	2180000	-0.02268	0.8448	77	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	188	2.498271	1.997607	469.675	1	25	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2	3.3	2.404163	6.6	1.6	5	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2	3.3	2.404163	6.6	1.6	5	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2	3.3	2.404163	6.6	1.6	5	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	2	3.3	2.404163	6.6	1.6	5	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	188	2.49827	1.99761	469.675	1	25	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	188	2.49827	1.99761	469.675	1	25	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	188	2.49827	1.99761	469.675	1	25	21991	1007.092	17620	22146953	0.01	1130000	-0.00382	0.9739	76	
NITRITE	1	MANGANESE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	3.3	2.40416	6.6	1.6	5	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	3.3	2.40416	6.6	1.6	5	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	3.3	2.40416	6.6	1.6	5	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	188	2.498271	1.997607	469.675	1	25	3232	0.123963	0.198296	400.65	0.1	5.5	-0.45328	0.5467	4	
NITRITE	1	MERCURY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	188	2.498271	1.997607	469.675	1	25	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	3.3	2.404163	6.6	1.6	5	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	3.3	2.404163	6.6	1.6	5	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
NITRITE	1	NICKEL	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	188	2.498271	1.997607	469.675	1	25	6399	50.13064	681.1727	320786	0.02	24600	-0.00284	0.9821	65	
NITRITE	1	NICKEL	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	188	2.498271	1.997607	469.675	1	25	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
NITRITE	1	NICKEL	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	[illegible]	3.3	2.404163	6.6	1.6	5	6399	50.13064	681.1727	320786	0.02	24600	#N/A	[illegible]	0	

Appendix E-threshold National correlation analysis. Correlation [illegible]s and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	NICKEL	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	3.3	2.404163	6.6	1.6	5	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
NITRITE	1	NITRATE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	188	2.498271	1.997607	469.675	1	25	5663	8.003763	38.93465	45325	0.001	1600	0.04293	0.5628	184	
NITRITE	1	NITRATE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2	3.3	2.404163	6.6	1.6	5	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
NITRITE	1	PH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	188	2.498271	1.997607	469.675	1	25	43861	7.122161	0.878663	312385	0.1	12.8	-0.00246	0.974	175	
NITRITE	1	PH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	3.3	2.404163	6.6	1.6	5	43861	7.122161	0.878663	312385	0.1	12.8	-1	#N/A	2	
NITRITE	1	RADIUM-226	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	188	2.498274	1.997607	469.675	1	25	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	188	2.498271	1.997607	469.675	1	25	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	188	2.498271	1.997607	469.675	1	25	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
NITRITE	1	RADON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	188	2.498271	1.997607	469.675	1	25	4914	32.0677	18.5323	157581	7	250	0.91129	0.2702	3	
NITRITE	1	RADON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	188	2.498271	1.997607	469.675	1	25	4995	1162.253	3158.094	5805454	7	82082	0.87943	0.1206	4	
NITRITE	1	RADON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	0	
NITRITE	1	RADON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	0	
NITRITE	1	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	188	2.498271	1.997607	469.675	1	25	7865	55.57754	657.8106	437117	1	27000	-0.17613	0.2311	48	
NITRITE	1	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	188	2.498271	1.997607	469.675	1	25	961	2.578564	3.089181	2478	1	31	-1	#N/A	2	
NITRITE	1	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2	3.3	2.404163	6.6	1.6	5	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
NITRITE	1	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	3.3	2.404163	6.6	1.6	5	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
NITRITE	1	SULFATE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	188	2.498271	1.997607	469.675	1	25	26730	231.201	990.9965	6180003	0.03	37000	0.38075	0.0001	99	*
NITRITE	1	SULFATE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2	3.3	2.404163	6.6	1.6	5	26730	231.201	990.9965	6180003	0.03	37000	1	#N/A	2	
NITRITE	1	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	188	2.498271	1.997607	469.675	1	25	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	188	2.498271	1.997607	469.675	1	25	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	3.3	2.404163	6.6	1.6	5	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	3.3	2.404163	6.6	1.6	5	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	188	2.498271	1.997607	469.675	1	25	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	2	3.3	2.404163	6.6	1.6	5	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	188	2.498271	1.997607	469.675	1	25	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	188	2.498271	1.997607	469.675	1	25	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2	3.3	2.404163	6.6	1.6	5	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
NITRITE	1	WELL-DEPTH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	188	2.498271	1.997607	469.675	1	25	105993	257.8247	384.157	27327615	0.5	7106	-0.05854	0.4818	157	
NITRITE	1	WELL-DEPTH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	2	3.3	2.404163	6.6	1.6	5	105993	257.8247	384.157	27327615	0.5	7106	1	#N/A	2	
PH	0	ALKALINITY	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	43861	7.122161	0.878663	312385	0.1	12.8	2642	204.9232	148.8865	541407	3	4500	-0.11673	0.0001	2635	*
PH	0	CONDUCTANCE	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	43861	7.122161	0.878663	312385	0.1	12.8	56711	1443.287	4687.848	81850239	1	249000	0.03435	0.0001	42943	*
PH	0	DISSOLVED-OXYGE	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	43861	7.122161	0.878663	312385	0.1	12.8	21569	3.824813	7.578481	82497	0.1	545.4	-0.03435	0.0001	21265	*
PH	0	TURBIDITY	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00076	TURBIDITY-P00076-(NTU)	43861	7.122161	0.878663	312385	0.1	12.8	2359	23.36229	85.84469	55112	0.01	1000	0.01521	0.4765	2193	
RADIUM-226	0	ALKALINITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	99	1.289899	3.734492	127.7	0.1	31	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADIUM-226	0	ALKALINITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	154	1.227987	1.930945	189.11	0.02	14	2642	204.9232	148.8865	541407	3	4500	-0.26541	0.829	3	
RADIUM-226	0	ALKALINITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	230	0.280176	0.551313	64.4405	0.009	6.14	2642	204.9232	148.8865	541407	3	4500	-0.26482	0.8294	3	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	99	1.289899	3.734492	127.7	0.1	31	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	99	1.289899	3.734492	127.7	0.1	31	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	154	1.227987	1.930945	189.11	0.02	14	2940	7.838537	29.93498	23045	1	200	0.0697	0.5212	87	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	154	1.227987	1.930945	189.11	0.02	14	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	230	0.280176	0.551313	64.4405	0.009	6.14	2940	7.838537	29.93498	23045	1	200	0.08746	0.5445	83	
RADIUM-226	0	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	230	0.280176	0.551313	64.4405	0.009	6.14	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	99	1.289899	3.734492	127.7	0.1	31	8200	120.7616	269.9694	990245	1	10000	-0.06423	0.6477	53	
RADIUM-226	0	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	99	1.289899	3.734492	127.7	0.1	31	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	99	1.289899	3.734492	127.7	0.1	31	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	154	1.227987	1.930945	189.11	0.02	14	8200	120.7616	269.9694	990245	1	10000	0.51531	0.0001	136	*
RADIUM-226	0	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	154	1.227987	1.930945	189.11	0.02	14	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	154	1.227987	1.930945	189.11	0.02	14	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	230	0.280176	0.551313	64.4405	0.009	6.14	8200	120.7616	269.9694	990245	1	10000	0.37187	0.0001	170	*
RADIUM-226	0	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	230	0.280176	0.551313	64.4405	0.009	6.14	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	230	0.280176	0.551313	64.4405	0.009	6.14	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	99	1.2899	3.73449	127.7	0.1	31	6332	1.869	12.88026	11835	0.1	406	-0.01977	0.8683	53	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	99	1.2899	3.73449	127.7	0.1	31	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	14	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	154	1.22799	1.93095	189.11	0.02	14	6332	1.869	12.88026	11835	0.1	406	0.06223	0.4733	135	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	154	1.22799	1.93095	189.11	0.02	14	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	230	0.28018	0.55131	64.4405	0.009	6.14	6332	1.869	12.88026	11835	0.1	406	0.06151	0.4269	169	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	230	0.28018	0.55131	64.4405	0.009	6.14	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	14	
RADIUM-226	0	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	99	1.289899	3.734492	127.7	0.1	31	9321	7.570965	108.8909	70569	0.01	5675	0.18155	0.1805	56	
RADIUM-226	0	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	99	1.289899	3.734492	127.7	0.1	31	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	46	
RADIUM-226	0	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	154	1.227987	1.930945	189.11	0.02	14	9321	7.570965	108.8909	70569	0.01	5675	0.086	0.3195	136	
RADIUM-226	0	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	154	1.227987	1.930945	189.11	0.02	14	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	31	
RADIUM-226	0	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	230	0.280176	0.551313	64.4405	0.009	6.14	9321	7.570965	108.8909	70569	0.01	5675	0.08369	0.2736	173	
RADIUM-226	0	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	230	0.280176	0.551313	64.4405	0.009	6.14	1131	4.464633	6.25633	5049.5	1	100	-0.05941	0.6078	77	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	99	1.289899	3.734492	127.7	0.1	31	9790	9.877542	276.7559	96701	0.02	27300	-0.03219	0.819	53	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	99	1.289899	3.734492	127.7	0.1	31	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	3	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	99	1.289899	3.734492	127.7	0.1	31	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	154	1.227987	1.930945	189.11	0.02	14	9790	9.877542	276.7559	96701	0.02	27300	0.04352	0.6136	137	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	154	1.227987	1.930945	189.11	0.02	14	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	1	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	154	1.227987	1.930945	189.11	0.02	14	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	1	
RADIUM-226	0	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	230	0.280176	0.551313	64.4405	0.009	6.14	9790	9.877542	276.7559	96701	0.02	27300	0.03478	0.6515	171	
RADIUM-226	0	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	230	0.280176	0.551313	64.4405	0.009	6.14	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	3	
RADIUM-226	0	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	230	0.280176	0.551313	64.4405	0.009	6.14	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	0	CONDUCTANCE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	99	1.289899	3.734492	127.7	0.1	31	56711	1443.287	4687.848	81850239	1	249000	0.16981	0.0946	98	
RADIUM-226	0	CONDUCTANCE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	154	1.227987	1.930945	189.11	0.02	14	56711	1443.287	4687.848	81850239	1	249000	0.4471	0.0001	133	*
RADIUM-226	0	CONDUCTANCE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	230	0.280176	0.551313	64.4405	0.009	6.14	56711	1443.287	4687.848	81850239	1	249000	0.20858	0.002	217	*
RADIUM-226	0	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	99	1.289899	3.734492	127.7	0.1	31	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	99	1.289899	3.734492	127.7	0.1	31	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	154	1.227987	1.930945	189.11	0.02	14	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	154	1.227987	1.930945	189.11	0.02	14	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	8	
RADIUM-226	0	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	230	0.280176	0.551313	64.4405	0.009	6.14	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	230	0.280176	0.551313	64.4405	0.009	6.14	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	8	
RADIUM-226	0	DEPTH-BELOW-LAN	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	99	1.289899	3.734492	127.7	0.1	31	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	4	
RADIUM-226	0	DEPTH-BELOW-LAN	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	154	1.227987	1.930945	189.11	0.02	14	18561	2322.994	304366	43117092	0.02	41465000	0.09448	0.8089	9	
RADIUM-226	0	DEPTH-BELOW-LAN	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	230	0.280176	0.551313	64.4405	0.009	6.14	18561	2322.994	304366	43117092	0.02	41465000	0.11082	0.7456	11	
RADIUM-226	0	DISSOLVED-OXYGE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	99	1.289899	3.734492	127.7	0.1	31	21569	3.824813	7.578481	82497	0.1	545.4	0.01416	0.9034	76	
RADIUM-226	0	DISSOLVED-OXYGE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	154	1.227987	1.930945	189.11	0.02	14	21569	3.824813	7.578481	82497	0.1	545.4	0.34009	0.0014	86	*
RADIUM-226	0	DISSOLVED-OXYGE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	230	0.280176	0.551313	64.4405	0.009	6.14	21569	3.824813	7.578481	82497	0.1	545.4	0.0501	[illegible]	148	
RADIUM-226	0	DISSOLVED-SOLID	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	[illegible]	[illegible]9899	3.734492	127.7	0.1	31	20725	1497.404	13499	31033701	6	319000	0.0492	[illegible]	86	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	DISSOLVED-SOLID	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	154	1.227987	1.930945	189.11	0.02	14	20725	1497.404	13499	31033701	6	319000	0.60988	0.0001	74	*
RADIUM-226	0	DISSOLVED-SOLID	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	230	0.280176	0.551313	64.4405	0.009	6.14	20725	1497.404	13499	31033701	6	319000	0.36077	0.0001	142	*
RADIUM-226	0	HARDNESS	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	99	1.289899	3.734492	127.7	0.1	31	25507	382.224	1096.769	9749388	1	28000	0.01484	0.8898	92	
RADIUM-226	0	HARDNESS	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	154	1.227987	1.930945	189.11	0.02	14	25507	382.224	1096.769	9749388	1	28000	0.33298	0.0001	147	*
RADIUM-226	0	HARDNESS	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	230	0.280176	0.551313	64.4405	0.009	6.14	25507	382.224	1096.769	9749388	1	28000	0.16799	0.0126	220	*
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	99	1.289899	3.734492	127.7	0.1	31	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	99	1.289899	3.734492	127.7	0.1	31	2327	12508	62820	29106465	10	960000	-0.23969	0.3891	15	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	99	1.289899	3.734492	127.7	0.1	31	22424	2358.813	28780	52894030	0.1	2180000	-0.04057	0.701	92	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	99	1.289899	3.734492	127.7	0.1	31	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	154	1.227987	1.930945	189.11	0.02	14	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	154	1.227987	1.930945	189.11	0.02	14	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	154	1.227987	1.930945	189.11	0.02	14	22424	2358.813	28780	52894030	0.1	2180000	-0.04208	0.6128	147	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	154	1.227987	1.930945	189.11	0.02	14	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	230	0.280176	0.551313	64.4405	0.009	6.14	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	230	0.280176	0.551313	64.4405	0.009	6.14	2327	12508	62820	29106465	10	960000	-0.24375	0.3813	15	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	230	0.280176	0.551313	64.4405	0.009	6.14	22424	2358.813	28780	52894030	0.1	2180000	-0.03018	0.6561	220	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	230	0.280176	0.551313	64.4405	0.009	6.14	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	99	1.2899	3.73449	127.7	0.1	31	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	99	1.2899	3.73449	127.7	0.1	31	1774	1132.239	6378.538	2008592	1	160000	0.52141	0.0462	15	*
RADIUM-226	0	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	99	1.2899	3.73449	127.7	0.1	31	21991	1007.092	17620	22146953	0.01	1130000	0.35796	0.0005	92	*
RADIUM-226	0	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	154	1.22799	1.93095	189.11	0.02	14	7	9.28571	20.16362	65	1	55	-0.99511	0.0004	5	*
RADIUM-226	0	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	154	1.22799	1.93095	189.11	0.02	14	1774	1132.239	6378.538	2008592	1	160000	0.2297	0.2138	31	
RADIUM-226	0	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	154	1.22799	1.93095	189.11	0.02	14	21991	1007.092	17620	22146953	0.01	1130000	-0.0021	0.9799	147	
RADIUM-226	0	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	230	0.28018	0.55131	64.4405	0.009	6.14	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	230	0.28018	0.55131	64.4405	0.009	6.14	1774	1132.239	6378.538	2008592	1	160000	-0.00263	0.9862	46	
RADIUM-226	0	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	230	0.28018	0.55131	64.4405	0.009	6.14	21991	1007.092	17620	22146953	0.01	1130000	0.06377	0.3465	220	
RADIUM-226	0	MERCURY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	99	1.289899	3.734492	127.7	0.1	31	3232	0.123963	0.198296	400.65	0.1	5.5	-0.02525	0.8534	58	
RADIUM-226	0	MERCURY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	99	1.289899	3.734492	127.7	0.1	31	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADIUM-226	0	MERCURY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	154	1.227987	1.930945	189.11	0.02	14	3232	0.123963	0.198296	400.65	0.1	5.5	0.54603	0.0001	118	*
RADIUM-226	0	MERCURY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	154	1.227987	1.930945	189.11	0.02	14	1030	0.296816	0.435845	305.72	0.01	4.5	0.75098	0.0853	6	
RADIUM-226	0	MERCURY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	230	0.280176	0.551313	64.4405	0.009	6.14	3232	0.123963	0.198296	400.65	0.1	5.5	0.42966	0.0001	155	*
RADIUM-226	0	MERCURY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	230	0.280176	0.551313	64.4405	0.009	6.14	1030	0.296816	0.435845	305.72	0.01	4.5	0.74204	0.0912	6	
RADIUM-226	0	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	99	1.289899	3.734492	127.7	0.1	31	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	53	
RADIUM-226	0	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	99	1.289899	3.734492	127.7	0.1	31	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	154	1.227987	1.930945	189.11	0.02	14	6399	50.13064	681.1727	320786	0.02	24600	0.06109	0.4832	134	
RADIUM-226	0	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	154	1.227987	1.930945	189.11	0.02	14	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	230	0.280176	0.551313	64.4405	0.009	6.14	6399	50.13064	681.1727	320786	0.02	24600	0.04469	0.5652	168	
RADIUM-226	0	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	230	0.280176	0.551313	64.4405	0.009	6.14	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	0	NITRATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	99	1.289899	3.734492	127.7	0.1	31	5663	8.003763	38.93465	45325	0.001	1600	-0.47549	0.5245	4	
RADIUM-226	0	NITRATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	154	1.227987	1.930945	189.11	0.02	14	5663	8.003763	38.93465	45325	0.001	1600	0.22876	0.2866	24	
RADIUM-226	0	NITRATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	230	0.280176	0.551313	64.4405	0.009	6.14	5663	8.003763	38.93465	45325	0.001	1600	0.1917	0.3381	27	
RADIUM-226	0	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	99	1.289899	3.734492	127.7	0.1	31	23214	0.037058	0.289409	860.264897	0.001	25	-0.15008	0.484	24	
RADIUM-226	0	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	99	1.289899	3.734492	127.7	0.1	31	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	154	1.227987	1.930945	189.11	0.02	14	23214	0.037058	0.289409	860.264897	0.001	25	0.03024	0.7368	126	
RADIUM-226	0	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	154	1.227987	1.930945	189.11	0.02	14	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	230	0.280176	0.551313	64.4405	0.009	6.14	23214	0.037058	0.289409	860.264897	0.001	25	0.03252	0.6978	145	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRE8	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	230	0.280176	0.551313	64.4405	0.009	6.14	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADIUM-226	0	PH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	99	1.289899	3.734492	127.7	0.1	31	43861	7.122161	0.878663	312385	0.1	12.8	-0.40956	0.0001	97	*
RADIUM-226	0	PH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	154	1.227987	1.930945	189.11	0.02	14	43861	7.122161	0.878663	312385	0.1	12.8	-0.3737	0.0001	132	*
RADIUM-226	0	PH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	230	0.280176	0.551313	64.4405	0.009	6.14	43861	7.122161	0.878663	312385	0.1	12.8	-0.26608	0.0001	215	*
RADIUM-226	0	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	99	1.289899	3.734492	127.7	0.1	31	4914	32.0677	18.5323	157581	7	250	-0.15729	0.3138	43	
RADIUM-226	0	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	99	1.289899	3.734492	127.7	0.1	31	4995	1162.253	3158.094	5805454	7	82082	-0.11603	0.4587	43	
RADIUM-226	0	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	154	1.227987	1.930945	189.11	0.02	14	4914	32.0677	18.5323	157581	7	250	-0.0619	0.5407	100	
RADIUM-226	0	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	154	1.227987	1.930945	189.11	0.02	14	4995	1162.253	3158.094	5805454	7	82082	-0.07474	0.4599	100	
RADIUM-226	0	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	230	0.280176	0.551313	64.4405	0.009	6.14	4914	32.0677	18.5323	157581	7	250	-0.08683	0.3077	140	
RADIUM-226	0	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	230	0.280176	0.551313	64.4405	0.009	6.14	4995	1162.253	3158.094	5805454	7	82082	-0.05949	0.485	140	
RADIUM-226	0	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	99	1.289899	3.734492	127.7	0.1	31	7865	55.57754	657.8106	437117	1	27000	-0.11802	0.3863	56	
RADIUM-226	0	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	99	1.289899	3.734492	127.7	0.1	31	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	154	1.227987	1.930945	189.11	0.02	14	7865	55.57754	657.8106	437117	1	27000	0.36615	0.0016	72	*
RADIUM-226	0	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	154	1.227987	1.930945	189.11	0.02	14	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	230	0.280176	0.551313	64.4405	0.009	6.14	7865	55.57754	657.8106	437117	1	27000	0.1271	0.1858	110	
RADIUM-226	0	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	230	0.280176	0.551313	64.4405	0.009	6.14	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	99	1.289899	3.734492	127.7	0.1	31	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	44	
RADIUM-226	0	THALLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	99	1.289899	3.734492	127.7	0.1	31	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	154	1.227987	1.930945	189.11	0.02	14	848	9.369458	17.94903	7945.3	0.5	102	0.89545	0.0002	11	*
RADIUM-226	0	THALLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	154	1.227987	1.930945	189.11	0.02	14	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	230	0.280176	0.551313	64.4405	0.009	6.14	848	9.369458	17.94903	7945.3	0.5	102	0.63168	0.0001	55	*
RADIUM-226	0	THALLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	230	0.280176	0.551313	64.4405	0.009	6.14	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	99	1.289899	3.734492	127.7	0.1	31	2359	23.36229	85.84469	55112	0.01	1000	-0.24019	0.8456	3	
RADIUM-226	0	TURBIDITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	154	1.227987	1.930945	189.11	0.02	14	2359	23.36229	85.84469	55112	0.01	1000	-0.29153	0.0046	93	*
RADIUM-226	0	TURBIDITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	230	0.280176	0.551313	64.4405	0.009	6.14	2359	23.36229	85.84469	55112	0.01	1000	-0.18479	0.1053	78	
RADIUM-226	0	URANIUM-235	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	99	1.289899	3.734492	127.7	0.1	31	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	5	
RADIUM-226	0	URANIUM-235	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	154	1.227987	1.930945	189.11	0.02	14	141	56.54043	200.9786	7972.2	0.1	1300	0.06817	0.676	40	
RADIUM-226	0	URANIUM-235	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	230	0.280176	0.551313	64.4405	0.009	6.14	141	56.54043	200.9786	7972.2	0.1	1300	0.06046	0.6932	45	
RADIUM-226	0	URANIUM-238	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	99	1.289899	3.734492	127.7	0.1	31	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	5	
RADIUM-226	0	URANIUM-238	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	154	1.227987	1.930945	189.11	0.02	14	141	2844.557	18195	401083	0.1	210000	0.46628	0.0024	40	*
RADIUM-226	0	URANIUM-238	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	230	0.280176	0.551313	64.4405	0.009	6.14	141	2844.557	18195	401083	0.1	210000	0.47639	0.0009	45	*
RADIUM-226	0	WELL-DEPTH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	99	1.289899	3.734492	127.7	0.1	31	105993	257.8247	364.157	27327615	0.5	7106	0.19804	0.0864	76	
RADIUM-226	0	WELL-DEPTH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	154	1.227987	1.930945	189.11	0.02	14	105993	257.8247	364.157	27327615	0.5	7106	-0.20867	0.0318	106	*
RADIUM-226	0	WELL-DEPTH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	230	0.280176	0.551313	64.4405	0.009	6.14	105993	257.8247	364.157	27327615	0.5	7106	0.10963	0.1676	160	
RADIUM-226	3	ALKALINITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	11	8.627273	8.22169	94.9	3.3	31	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADIUM-226	3	ALKALINITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	18	5.222222	2.986352	94	3.1	14	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	1	
RADIUM-226	3	ALKALINITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	6.14	#N/A	6.14	6.14	6.14	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	11	8.627273	8.22169	94.9	3.3	31	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	11	8.627273	8.22169	94.9	3.3	31	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	18	5.222222	2.986352	94	3.1	14	2940	7.838537	29.93498	23045	1	200	0.7324	0.0013	16	*
RADIUM-226	3	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	18	5.222222	2.986352	94	3.1	14	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	6.14	#N/A	6.14	6.14	6.14	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	6.14	#N/A	6.14	6.14	6.14	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	11	8.627273	8.22169	94.9	3.3	31	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	1	
RADIUM-226	3	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	11	8.627273	8.22169	94.9	3.3	31	1294	17.47862	94.81877	22617	1	1400	-0.36687	0.6331	4	
RADIUM-226	3	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	[illegible]	[illegible]22222	2.986352	94	3.1	14	9943	9.090013	72.56837	90382	1	3800	0.73355	[illegible]	18	*

Appendix E-threshold National correlation analysis Correlation [illegible]s and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	18	5 222222	2.986352	94	3.1	14	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	6 14	#N/A	6 14	6.14	6.14	9943	9 090013	72 56837	90382	1	3800	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	6.14	#N/A	6.14	6 14	6.14	1294	17 47862	94.81877	22617	1	1400	#N/A	#N/A	1	
RADIUM-226	3	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	11	8 627273	8 22169	94.9	3 3	31	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	1	
RADIUM-226	3	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	11	8 627273	8 22169	94.9	3 3	31	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	11	8 627273	8 22169	94.9	3.3	31	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	18	5 222222	2 986352	94	3 1	14	8200	120.7616	269.9694	990245	1	10000	0.08563	0 7355	18	
RADIUM-226	3	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	18	5 222222	2 986352	94	3 1	14	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	18	5.222222	2 986352	94	3 1	14	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	6.14	#N/A	6.14	6.14	6.14	8200	120 7616	269.9694	990245	1	10000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	6.14	#N/A	6.14	6 14	6 14	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	6 14	#N/A	6.14	6 14	6.14	776	194 384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	11	8 62727	8 22169	94.9	3 3	31	6332	1 869	12.88026	11835	0 1	406	#N/A	#N/A	1	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	11	8 62727	8 22169	94.9	3.3	31	627	3 52998	5 18639	2213 3	0.5	25	#N/A	#N/A	4	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	18	5 22222	2 98635	94	3.1	14	6332	1.869	12 88026	11835	0 1	406	0.73485	0 0005	18	*
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	18	5 22222	2 98635	94	3.1	14	627	3 52998	5 18639	2213.3	0 5	25	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	6 14	#N/A	6.14	6 14	6 14	6332	1.869	12 88026	11835	0.1	406	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	6 14	#N/A	6 14	6.14	6.14	627	3 52998	5.18639	2213.3	0 5	25	#N/A	#N/A	1	
RADIUM-226	3	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	11	8 627273	8 22169	94.9	3 3	31	9321	7.570965	108.8909	70569	0 01	5675	#N/A	#N/A	1	
RADIUM-226	3	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	11	8 627273	8 22169	94 9	3.3	31	1131	4 464633	6.25633	5049 5	1	100	#N/A	#N/A	1	
RADIUM-226	3	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	18	5 222222	2 986352	94	3 1	14	9321	7.570965	108 8909	70569	0 01	5675	0 73254	0 0005	18	*
RADIUM-226	3	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	18	5 222222	2.986352	94	3.1	14	1131	4 464633	6 25633	5049 5	1	100	#N/A	#N/A	2	
RADIUM-226	3	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	6 14	#N/A	6.14	6.14	6.14	9321	7.570965	108.8909	70569	0 01	5675	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	6.14	#N/A	6 14	6 14	6 14	1131	4.464633	6.25633	5049 5	1	100	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	11	8 627273	8 22169	94 9	3 3	31	9790	9 877542	276.7559	96701	0 02	27300	#N/A	#N/A	1	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	11	8 627273	8 22169	94.9	3.3	31	952	13 00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	11	8 627273	8 22169	94 9	3 3	31	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	18	5 222222	2 986352	94	3 1	14	9790	9 877542	276 7559	96701	0 02	27300	0 71791	0 0008	18	*
RADIUM-226	3	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	18	5 222222	2 986352	94	3.1	14	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	18	5 222222	2 986352	94	3.1	14	1274	13 5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	6.14	#N/A	6.14	6.14	6.14	9790	9 877542	276.7559	96701	0 02	27300	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	6 14	#N/A	6.14	6 14	6.14	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	6.14	#N/A	6 14	6.14	6.14	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	11	8 627273	8 22169	94.9	3.3	31	56711	1443 287	4687.848	81850239	1	249000	0 15805	0 6426	11	
RADIUM-226	3	CONDUCTANCE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	18	5 222222	2.986352	94	3.1	14	56711	1443.287	4687.848	81850239	1	249000	0.73493	0 0005	18	*
RADIUM-226	3	CONDUCTANCE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	6.14	#N/A	6.14	6 14	6 14	56711	1443 287	4687 848	81850239	1	249000	#N/A	#N/A	1	
RADIUM-226	3	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	11	8 627273	8.22169	94.9	3 3	31	565	0 650733	3.513117	367.664	0 001	20	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	11	8 627273	8 22169	94.9	3.3	31	1396	1 095165	12 00667	1528.85	0 01	280	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	18	5 222222	2 986352	94	3.1	14	565	0 650733	3 513117	367.664	0.001	20	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	18	5 222222	2.986352	94	3.1	14	1396	1 095165	12.00667	1528.85	0 01	280	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	6 14	#N/A	6.14	6.14	6.14	565	0.650733	3.513117	367.664	0 001	20	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	6.14	#N/A	6.14	6.14	6.14	1396	1.095165	12 00667	1528.85	0 01	280	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	11	8 627273	8.22169	94.9	3.3	31	18561	2322 994	304366	43117092	0 02	41465000	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	18	5 222222	2.986352	94	3.1	14	18561	2322 994	304366	43117092	0 02	41465000	#N/A	#N/A	1	
RADIUM-226	3	DEPTH-BELOW-LAN	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	6.14	#N/A	6.14	6.14	6.14	18561	2322 994	304366	43117092	0 02	41465000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	11	8 627273	8 22169	94.9	3.3	31	21569	3 824813	7.578481	82497	0.1	545.4	0 53594	0 215	7	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	DISSOLVED-OXYGE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	18	5.222222	2.986352	94	3.1	14	21569	3.824813	7.578481	82497	0.1	545.4	-0.34261	0.2113	15	
RADIUM-226	3	DISSOLVED-OXYGE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	6.14	#N/A	6.14	6.14	6.14	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	1	
RADIUM-226	3	DISSOLVED-SOLID	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	11	8.627273	8.22169	94.9	3.3	31	20725	1497.404	13499	31033701	6	319000	-0.16488	0.6984	8	
RADIUM-226	3	DISSOLVED-SOLID	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	18	5.222222	2.986352	94	3.1	14	20725	1497.404	13499	31033701	6	319000	0.69068	0.3093	4	
RADIUM-226	3	DISSOLVED-SOLID	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	6.14	#N/A	6.14	6.14	6.14	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	11	8.627273	8.22169	94.9	3.3	31	25507	382.224	1096.769	9749388	1	28000	-0.22642	0.5032	11	
RADIUM-226	3	HARDNESS	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	18	5.222222	2.986352	94	3.1	14	25507	382.224	1096.769	9749388	1	28000	0.69718	0.0013	18	*
RADIUM-226	3	HARDNESS	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	6.14	#N/A	6.14	6.14	6.14	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	1	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	11	8.627273	8.22169	94.9	3.3	31	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	11	8.627273	8.22169	94.9	3.3	31	2327	12508	62820	29106465	10	960000	-0.37852	0.6215	4	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	11	8.627273	8.22169	94.9	3.3	31	22424	2358.813	28780	52894030	0.1	2180000	0.0243	0.9435	11	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	11	8.627273	8.22169	94.9	3.3	31	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	18	5.222222	2.986352	94	3.1	14	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	18	5.222222	2.986352	94	3.1	14	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	18	5.222222	2.986352	94	3.1	14	22424	2358.813	28780	52894030	0.1	2180000	-0.0454	0.858	18	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	18	5.222222	2.986352	94	3.1	14	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	6.14	#N/A	6.14	6.14	6.14	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	6.14	#N/A	6.14	6.14	6.14	2327	12508	62820	29106465	10	960000	#N/A	#N/A	1	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	6.14	#N/A	6.14	6.14	6.14	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	1	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	1	6.14	#N/A	6.14	6.14	6.14	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	11	8.62727	8.22169	94.9	3.3	31	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	11	8.62727	8.22169	94.9	3.3	31	1774	1132.239	6376.538	2008592	1	160000	0.95841	0.0416	4	*
RADIUM-226	3	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	11	8.62727	8.22169	94.9	3.3	31	21991	1007.092	17620	22146953	0.01	1130000	0.90997	0.0001	11	*
RADIUM-226	3	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	18	5.22222	2.98635	94	3.1	14	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	18	5.22222	2.98635	94	3.1	14	1774	1132.239	6376.538	2008592	1	160000	1	#N/A	2	
RADIUM-226	3	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	18	5.22222	2.98635	94	3.1	14	21991	1007.092	17620	22146953	0.01	1130000	0.09597	0.7048	18	
RADIUM-226	3	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	6.14	#N/A	6.14	6.14	6.14	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	6.14	#N/A	6.14	6.14	6.14	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
RADIUM-226	3	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	6.14	#N/A	6.14	6.14	6.14	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	1	
RADIUM-226	3	MERCURY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	11	8.627273	8.22169	94.9	3.3	31	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	1	
RADIUM-226	3	MERCURY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	11	8.627273	8.22169	94.9	3.3	31	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	18	5.222222	2.986352	94	3.1	14	3232	0.123963	0.198296	400.65	0.1	5.5	0.43051	0.1862	11	
RADIUM-226	3	MERCURY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	18	5.222222	2.986352	94	3.1	14	1030	0.296816	0.435845	305.72	0.01	4.5	0.4573	0.6976	3	
RADIUM-226	3	MERCURY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	6.14	#N/A	6.14	6.14	6.14	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	6.14	#N/A	6.14	6.14	6.14	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	11	8.627273	8.22169	94.9	3.3	31	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	1	
RADIUM-226	3	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	11	8.627273	8.22169	94.9	3.3	31	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	18	5.222222	2.986352	94	3.1	14	6399	50.13064	681.1727	320786	0.02	24600	0.72817	0.0006	18	*
RADIUM-226	3	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	18	5.222222	2.986352	94	3.1	14	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	6.14	#N/A	6.14	6.14	6.14	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	6.14	#N/A	6.14	6.14	6.14	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	11	8.627273	8.22169	94.9	3.3	31	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	1	
RADIUM-226	3	NITRATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	18	5.222222	2.986352	94	3.1	14	5663	8.003763	38.93465	45325	0.001	1600	-0.19916	0.7481	5	
RADIUM-226	3	NITRATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	6.14	#N/A	6.14	6.14	6.14	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	11	8.627273	8.22169	94.9	3.3	31	23214	0.037058	0.289409	860.264897	0.001	25	-0.2297	0.6815	6	
RADIUM-226	3	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	[illegible]	27273	8.22169	94.9	3.3	31	835	0.031742	0.183455	26.504633	0.001	5	#N/A	[illegible]	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	CADMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	8	2.588958	3.209018	20.711667	1	10.121667	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	1	
NITRITE	1	CHROMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	148	2.715685	1.569323	401.921429	1	7.1	17823	7.326853	100.60661	130587	0.01	12000	0.36836	0.0164	42	*
NITRITE	1	CHROMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	148	2.715685	1.569323	401.921429	1	7.1	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	2	
NITRITE	1	CHROMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	148	2.715685	1.569323	401.921429	1	7.1	14432	5.940315	14.892349	85731	1	765	0.77582	0.123	5	
NITRITE	1	CHROMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	8	2.588958	3.209018	20.711667	1	10.121667	17823	7.326853	100.60661	130587	0.01	12000	-1	#N/A	2	
NITRITE	1	CHROMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	8	2.588958	3.209018	20.711667	1	10.121667	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	8	2.588958	3.209018	20.711667	1	10.121667	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	1	
NITRITE	1	CONDUCTANCE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	148	2.715685	1.569323	401.921429	1	7.1	151404	835.24242	7585.0802	126459043	1	2400000	0.66087	0.0001	115	*
NITRITE	1	CONDUCTANCE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	8	2.588958	3.209018	20.711667	1	10.121667	151404	835.24242	7585.0802	126459043	1	2400000	-0.31118	0.5483	6	
NITRITE	1	CYANIDE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	148	2.715685	1.569323	401.921429	1	7.1	4413	0.026723	0.713462	117.928667	0.001	42	0.30566	0.6943	4	
NITRITE	1	CYANIDE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	148	2.715685	1.569323	401.921429	1	7.1	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	2	
NITRITE	1	CYANIDE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	8	2.588958	3.209018	20.711667	1	10.121667	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
NITRITE	1	CYANIDE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	8	2.588958	3.209018	20.711667	1	10.121667	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
NITRITE	1	DEPTH-BELOW-LAN	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	148	2.715685	1.569323	401.921429	1	7.1	178	43.107191	64.532141	7673.08	0.01	544	-0.2586	0.1756	29	
NITRITE	1	DEPTH-BELOW-LAN	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	8	2.588958	3.209018	20.711667	1	10.121667	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-OXYGE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	148	2.715685	1.569323	401.921429	1	7.1	83235	542.51758	153897	45156451	0.1	44400000	-0.53175	0.0001	57	*
NITRITE	1	DISSOLVED-OXYGE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	8	2.588958	3.209018	20.711667	1	10.121667	83235	542.51758	153897	45156451	0.1	44400000	0.30069	0.5123	7	
NITRITE	1	DISSOLVED-SOLID	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	148	2.715685	1.569323	401.921429	1	7.1	45639	642.85223	3429.8776	29339133	3	322000	0.01218	0.9422	38	
NITRITE	1	DISSOLVED-SOLID	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	8	2.588958	3.209018	20.711667	1	10.121667	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	1	
NITRITE	1	HARDNESS	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	148	2.715685	1.569323	401.921429	1	7.1	58733	243.24843	454.78754	14286710	1	17000	-0.02525	0.8418	65	
NITRITE	1	HARDNESS	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	8	2.588958	3.209018	20.711667	1	10.121667	58733	243.24843	454.78754	14286710	1	17000	1	#N/A	2	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	148	2.715685	1.569323	401.921429	1	7.1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	148	2.715685	1.569323	401.921429	1	7.1	16528	3675.8675	37212	60754738	10	2800000	-0.01839	0.9655	8	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	148	2.715685	1.569323	401.921429	1	7.1	43140	5389.2633	68858	232492818	0.1	2750000	-0.16494	0.1964	63	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	148	2.715685	1.569323	401.921429	1	7.1	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	8	2.588958	3.209018	20.711667	1	10.121667	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	8	2.588958	3.209018	20.711667	1	10.121667	16528	3675.8675	37212	60754738	10	2800000	-1	#N/A	2	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	8	2.588958	3.209018	20.711667	1	10.121667	43140	5389.2633	68858	232492818	0.1	2750000	-1	#N/A	2	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	8	2.588958	3.209018	20.711667	1	10.121667	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	148	2.71569	1.56932	401.92143	1	7.1	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	148	2.71569	1.56932	401.92143	1	7.1	15168	581.52304	3916.8679	8820541	1	160000	0.42402	0.4768	5	
NITRITE	1	MANGANESE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	148	2.71569	1.56932	401.92143	1	7.1	42074	243.3273	2387.0571	10237753	0.01	151000	-0.3293	0.0084	63	*
NITRITE	1	MANGANESE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	8	2.58896	3.20902	20.71167	1	10.12167	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	8	2.58896	3.20902	20.71167	1	10.12167	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	1	
NITRITE	1	MANGANESE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	8	2.58896	3.20902	20.71167	1	10.12167	42074	243.3273	2387.0571	10237753	0.01	151000	-1	#N/A	2	
NITRITE	1	MERCURY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	148	2.715685	1.569323	401.921429	1	7.1	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	4	
NITRITE	1	MERCURY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	148	2.715685	1.569323	401.921429	1	7.1	11068	0.118446	0.362079	1310.95512	0.04	28.333333	1	#N/A	2	
NITRITE	1	MERCURY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	8	2.588958	3.209018	20.711667	1	10.121667	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
NITRITE	1	MERCURY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	8	2.588958	3.209018	20.711667	1	10.121667	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
NITRITE	1	NICKEL	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	148	2.715685	1.569323	401.921429	1	7.1	19215	76.162741	672.33574	1463467	0.5	17000	0.02594	0.8705	42	
NITRITE	[illegible]	[illegible]ICKEL	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1[illegible]	[illegible]715685	1.569323	401.921429	1	7.1	12890	18.184867	47.752014	234403	1	2400	0.70[illegible]	0.1815	5	
NITRITE	[illegible]	[illegible]ICKEL	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	[illegible]	[illegible]58958	3.209018	20.711667	1	10.121667	19215	76.162741	672.33574	1463467	0.5	17000	[illegible]	#N/A	2	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	0	DISSOLVED-OXYGE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	10597	0.022854	0.115399	242.179118	0.001	10.121667	83235	542.51758	153897	45156451	0.1	44400000	-0.00256	0.8044	9369	
NITRITE	0	DISSOLVED-SOLID	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	49228	0.034175	0.178812	1682.36412	0.001	7.1	45639	642.85223	3429.8776	29339133	3	322000	0.05975	0.0001	33540	*
NITRITE	0	DISSOLVED-SOLID	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10597	0.022854	0.115399	242.179118	0.001	10.121667	45639	642.85223	3429.8776	29339133	3	322000	0.02492	0.0874	4706	
NITRITE	0	HARDNESS	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	49228	0.034175	0.178812	1682.36412	0.001	7.1	58733	243.24843	454.78754	14286710	1	17000	0.07333	0.0001	35940	*
NITRITE	0	HARDNESS	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10597	0.022854	0.115399	242.179118	0.001	10.121667	58733	243.24843	454.78754	14286710	1	17000	0.02611	0.0605	5171	
NITRITE	0	PH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	49228	0.034175	0.178812	1682.36412	0.001	7.1	99613	7.568676	0.845555	753938	0.1	14	0.00739	0.1144	45592	
NITRITE	0	PH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10597	0.022854	0.115399	242.179118	0.001	10.121667	99613	7.568676	0.845555	753938	0.1	14	0.02959	0.0035	9729	*
NITRITE	0	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	49228	0.034175	0.178812	1682.36412	0.001	7.1	15132	5.739795	49.016961	86855	1	3000	0.14428	0.0001	10182	*
NITRITE	0	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	49228	0.034175	0.178812	1682.36412	0.001	7.1	7729	6.108779	70.618386	47215	1	5800	0.02551	0.1407	3336	
NITRITE	0	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10597	0.022854	0.115399	242.179118	0.001	10.121667	15132	5.739795	49.016961	86855	1	3000	0.00593	0.8401	1159	
NITRITE	0	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10597	0.022854	0.115399	242.179118	0.001	10.121667	7729	6.108779	70.618386	47215	1	5800	0.04214	0.1253	1325	
NITRITE	0	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	49228	0.034175	0.178812	1682.36412	0.001	7.1	352	30.269574	23.93811	10655	0.1	50	-0.23921	0.0111	112	*
NITRITE	0	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	49228	0.034175	0.178812	1682.36412	0.001	7.1	1005	21.559701	50.912504	21668	1	500	-0.14049	0.0007	577	*
NITRITE	0	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10597	0.022854	0.115399	242.179118	0.001	10.121667	352	30.269574	23.93811	10655	0.1	50	-0.1179	0.1327	164	
NITRITE	0	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10597	0.022854	0.115399	242.179118	0.001	10.121667	1005	21.559701	50.912504	21668	1	500	-0.03561	0.5691	258	
NITRITE	0	TURBIDITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	49228	0.034175	0.178812	1682.36412	0.001	7.1	34709	38.379662	405.66108	1332120	0.1	36500	-0.00234	0.7819	14049	
NITRITE	0	TURBIDITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	10597	0.022854	0.115399	242.179118	0.001	10.121667	34709	38.379662	405.66108	1332120	0.1	36500	0.01626	0.3571	3211	
NITRITE	0	WELL-DEPTH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	49228	0.034175	0.178812	1682.36412	0.001	7.1	581	398.67981	390.97008	231633	3	1980	-0.36098	0.0006	86	*
NITRITE	0	WELL-DEPTH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	10597	0.022854	0.115399	242.179118	0.001	10.121667	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
NITRITE	1	ALKALINITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	148	2.715685	1.569323	401.921429	1	7.1	8351	141.86443	79.888743	1184710	0.9	1800	-0.35484	0.0288	38	*
NITRITE	1	ALKALINITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	8	2.588958	3.209018	20.711667	1	10.121667	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	148	2.715685	1.569323	401.921429	1	7.1	3697	8.682685	216.40147	32100	0.2	12000	-0.6892	0.0867	7	
NITRITE	1	ANTIMONY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	148	2.715685	1.569323	401.921429	1	7.1	969	27.159099	88.389881	26317	1	350	-1	#N/A	2	
NITRITE	1	ANTIMONY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	8	2.588958	3.209018	20.711667	1	10.121667	3697	8.682685	216.40147	32100	0.2	12000	-1	#N/A	2	
NITRITE	1	ANTIMONY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	8	2.588958	3.209018	20.711667	1	10.121667	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	1	
NITRITE	1	ARSENIC	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	148	2.715685	1.569323	401.921429	1	7.1	10397	18.293928	493.01898	190202	1	32000	-0.56075	0.0035	25	*
NITRITE	1	ARSENIC	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	148	2.715685	1.569323	401.921429	1	7.1	9000	8.138151	50.541445	73243	1	3100	0.61209	0.5807	3	
NITRITE	1	ARSENIC	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	8	2.588958	3.209018	20.711667	1	10.121667	10397	18.293928	493.01898	190202	1	32000	-1	#N/A	2	
NITRITE	1	ARSENIC	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	8	2.588958	3.209018	20.711667	1	10.121667	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	1	
NITRITE	1	BARIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	148	2.715685	1.569323	401.921429	1	7.1	19173	53.91325	102.63829	1033679	0.2	12000	-0.14238	0.3745	41	
NITRITE	1	BARIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	148	2.715685	1.569323	401.921429	1	7.1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	148	2.715685	1.569323	401.921429	1	7.1	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	1	
NITRITE	1	BARIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	8	2.588958	3.209018	20.711667	1	10.121667	19173	53.91325	102.63829	1033679	0.2	12000	-1	#N/A	2	
NITRITE	1	BARIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	8	2.588958	3.209018	20.711667	1	10.121667	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	8	2.588958	3.209018	20.711667	1	10.121667	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	1	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	148	2.71569	1.56932	401.92143	1	7.1	13507	4.19948	113.72045	56722	0.05	12000	0.26524	0.1126	37	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	148	2.71569	1.56932	401.92143	1	7.1	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	1	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	8	2.58896	3.20902	20.71167	1	10.12167	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	2	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	8	2.58896	3.20902	20.71167	1	10.12167	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	1	
NITRITE	1	CADMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	148	2.715685	1.569323	401.921429	1	7.1	20131	4.525946	98.232558	91112	0.01	12000	-0.27836	0.0862	39	
NITRITE	1	CADMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	148	2.715685	1.569323	401.921429	1	7.1	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	5	
NITRITE	1	CADMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	8	2.588958	3.209018	20.711667	1	10.121667	20131	4.525946	98.232558	91112	0.01	12000	-1	#N/A	2	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	10	CONDUCTANCE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	956	22.203373	71.278084	21226	10	1800	151404	835.24242	7585.0802	126459043	1	2400000	0.39174	0.0001	897	*
NITRATE	10	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	956	22.203373	71.278084	21226	10	1800	4413	0.026723	0.713462	117.928667	0.001	42	-0.04239	0.8209	31	
NITRATE	10	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	956	22.203373	71.278084	21226	10	1800	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	1	
NITRATE	10	DEPTH-BELOW-LAN	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	956	22.203373	71.278084	21226	10	1800	178	43.107191	64.532141	7673.08	0.01	544	-0.13822	0.51	25	
NITRATE	10	DISSOLVED-OXYGE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	956	22.203373	71.278084	21226	10	1800	83235	542.51758	153897	45156451	0.1	44400000	-0.01619	0.655	764	
NITRATE	10	DISSOLVED-SOLID	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	956	22.203373	71.278084	21226	10	1800	45639	642.85223	3429.8776	29339133	3	322000	0.4112	0.0001	321	*
NITRATE	10	HARDNESS	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	956	22.203373	71.278084	21226	10	1800	58733	243.24843	454.78754	14286710	1	17000	0.19511	0.0003	332	*
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	956	22.203373	71.278084	21226	10	1800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	956	22.203373	71.278084	21226	10	1800	16528	3675.8675	37212	60754738	10	2800000	-0.24652	0.4649	11	
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	956	22.203373	71.278084	21226	10	1800	43140	5389.2633	68858	232492818	0.1	2750000	0.1525	0.0131	264	*
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	956	22.203373	71.278084	21226	10	1800	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
NITRATE	10	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	956	22.20337	71.27808	21226	10	1800	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NITRATE	10	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	956	22.20337	71.27808	21226	10	1800	15168	581.52304	3916.8679	8820541	1	160000	-0.28766	0.4897	8	
NITRATE	10	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	956	22.20337	71.27808	21226	10	1800	42074	243.3273	2387.0571	10237753	0.01	151000	0.10135	0.1003	264	
NITRATE	10	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	956	22.203373	71.278084	21226	10	1800	5608	0.136363	0.791919	764.723333	0.1	50	0.01694	0.9522	15	
NITRATE	10	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	956	22.203373	71.278084	21226	10	1800	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.36702	0.0356	33	*
NITRATE	10	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	956	22.203373	71.278084	21226	10	1800	19215	76.162741	672.33574	1463467	0.5	17000	-0.15216	0.5219	20	
NITRATE	10	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	956	22.203373	71.278084	21226	10	1800	12890	18.184867	47.752014	234403	1	2400	0.15698	0.383	33	
NITRATE	10	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	956	22.203373	71.278084	21226	10	1800	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.29762	0.0001	956	*
NITRATE	10	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	956	22.203373	71.278084	21226	10	1800	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.88324	0.1168	4	
NITRATE	10	PH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	956	22.203373	71.278084	21226	10	1800	99613	7.568876	0.845555	753938	0.1	14	-0.26531	0.0001	887	*
NITRATE	10	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	956	22.203373	71.278084	21226	10	1800	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
NITRATE	10	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	956	22.203373	71.278084	21226	10	1800	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
NITRATE	10	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	956	22.203373	71.278084	21226	10	1800	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
NITRATE	10	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	956	22.203373	71.278084	21226	10	1800	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
NITRATE	10	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	956	22.203373	71.278084	21226	10	1800	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
NITRATE	10	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	956	22.203373	71.278084	21226	10	1800	15132	5.739795	49.016961	86855	1	3000	0.80151	0.0001	37	*
NITRATE	10	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	956	22.203373	71.278084	21226	10	1800	7729	6.108779	70.618386	47215	1	5800	-0.03476	0.8502	32	
NITRATE	10	SULFATE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	956	22.203373	71.278084	21226	10	1800	61449	203.15791	972.75089	12483850	0.01	64000	0.17146	0.0016	338	*
NITRATE	10	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	956	22.203373	71.278084	21226	10	1800	352	30.269574	23.93611	10655	0.1	50	#N/A	#N/A	0	
NITRATE	10	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	956	22.203373	71.278084	21226	10	1800	1005	21.559701	50.912504	21668	1	500	0.17346	0.3869	27	
NITRATE	10	TURBIDITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	956	22.203373	71.278084	21226	10	1800	34709	38.379662	405.66108	1332120	0.1	36500	0.02277	0.717	256	
NITRATE	10	URANIUM-235	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	956	22.203373	71.278084	21226	10	1800	28	0.148154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
NITRATE	10	URANIUM-238	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	956	22.203373	71.278084	21226	10	1800	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
NITRATE	10	WELL-DEPTH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	956	22.203373	71.278084	21226	10	1800	581	398.67981	390.97008	231633	3	1980	0.22163	0.1259	49	
NITRITE	0	ALKALINITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	49228	0.034175	0.178812	1682.36412	0.001	7.1	8351	141.86443	79.888743	1184710	0.9	1800	0.07405	0.0001	6678	*
NITRITE	0	ALKALINITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10597	0.022854	0.115399	242.179118	0.001	10.121667	8351	141.86443	79.888743	1184710	0.9	1800	-0.1759	0.0018	311	*
NITRITE	0	CONDUCTANCE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	49228	0.034175	0.178812	1682.36412	0.001	7.1	151404	835.24242	7585.0802	126459043	1	2400000	0.1229	0.0001	46572	*
NITRITE	0	CONDUCTANCE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10597	0.022854	0.115399	242.179118	0.001	10.121667	151404	835.24242	7585.0802	126459043	1	2400000	-0.00198	0.8466	9549	
NITRITE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	49228	0.034175	0.178812	1682.36412	0.001	7.1	178	43.107191	64.532141	7673.08	0.01	544	-0.23306	0.1478	40	
NITRITE	[illegible]	DEPTH-BELOW-LAN	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	10597	0.022854	0.115399	242.179118	0.001	10.121667	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	14	
NITRITE	[illegible]	SSOLVED-OXYGE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	492[illegible]	[illegible]4175	0.178812	1682.36412	0.001	7.1	83235	542.51758	153897	45156451	0.1	44400000	-0[illegible]	[illegible]0.0952	41960	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1579	17.043392	55.819195	26912	8	1800	16528	3675.8675	37212	60754738	10	2800000	-0.06818	0.7303	28	
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1579	17.043392	55.819195	26912	8	1800	43140	5389.2633	68858	232492818	0.1	2750000	0.13913	0.0016	513	*
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	1579	17.043392	55.819195	26912	8	1800	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
NITRATE	8	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1579	17.04339	55.81919	26912	8	1800	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NITRATE	8	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1579	17.04339	55.81919	26912	8	1800	15168	581.52304	3916.8679	8820541	1	160000	-0.19417	0.399	21	
NITRATE	8	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1579	17.04339	55.81919	26912	8	1800	42074	243.3273	2387.0571	10237753	0.01	151000	0.09918	0.0245	514	*
NITRATE	8	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1579	17.043392	55.819195	26912	8	1800	5608	0.136363	0.791919	764.723333	0.1	50	0.13416	0.5226	25	
NITRATE	8	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1579	17.043392	55.819195	26912	8	1800	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.05672	0.6896	52	
NITRATE	8	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1579	17.043392	55.819195	26912	8	1800	19215	76.162741	672.33574	1463467	0.5	17000	0.11288	0.3989	58	
NITRATE	8	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1579	17.043392	55.819195	26912	8	1800	12890	18.184867	47.752014	234403	1	2400	-0.20881	0.1374	52	
NITRATE	8	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1579	17.043392	55.819195	26912	8	1800	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.30023	0.0001	1579	*
NITRATE	8	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1579	17.043392	55.819195	26912	8	1800	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.25955	0.3702	14	
NITRATE	8	PH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1579	17.043392	55.819195	26912	8	1800	99613	7.568676	0.845555	753938	0.1	14	-0.23555	0.0001	1481	*
NITRATE	8	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
NITRATE	8	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	624	0.110433	0.221947	68.91	0.02	3	1	#N/A	2	
NITRATE	8	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	578	0.026644	0.038336	15.4	0.007	0.48	1	#N/A	2	
NITRATE	8	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	102	37.441176	53.295844	3819	15	330	0.15518	0.7137	8	*
NITRATE	8	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	102	318.25	498.76308	32462	24	3300	0.15125	0.7207	8	
NITRATE	8	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1579	17.043392	55.819195	26912	8	1800	15132	5.739795	49.016961	86855	1	3000	0.81503	0.0001	73	*
NITRATE	8	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1579	17.043392	55.819195	26912	8	1800	7729	6.108779	70.618386	47215	1	5800	-0.15572	0.2853	49	
NITRATE	8	SULFATE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1579	17.043392	55.819195	26912	8	1800	61449	203.15791	972.75089	12483850	0.01	64000	0.16853	0.0001	853	*
NITRATE	8	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1579	17.043392	55.819195	26912	8	1800	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
NITRATE	8	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1579	17.043392	55.819195	26912	8	1800	1005	21.559701	50.912504	21668	1	500	0.11421	0.5268	33	
NITRATE	8	TURBIDITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	1579	17.043392	55.819195	26912	8	1800	34709	38.379662	405.66108	1332120	0.1	36500	-0.13403	0.0108	361	*
NITRATE	8	URANIUM-235	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
NITRATE	8	URANIUM-238	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1579	17.043392	55.819195	26912	8	1800	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
NITRATE	8	WELL-DEPTH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	1579	17.043392	55.819195	26912	8	1800	581	398.67981	390.97008	231633	3	1980	0.17466	0.211	53	
NITRATE	10	ALKALINITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	956	22.203373	71.278084	21226	10	1800	8351	141.86443	79.888743	1184710	0.9	1800	-0.00794	0.9132	191	
NITRATE	10	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	956	22.203373	71.278084	21226	10	1800	3697	8.682685	216.40147	32100	0.2	12000	-0.53323	0.3548	5	
NITRATE	10	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	956	22.203373	71.278084	21226	10	1800	969	27.159099	88.389881	26317	1	350	-1	#N/A	2	
NITRATE	10	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	956	22.203373	71.278084	21226	10	1800	10397	18.293928	493.01898	190202	1	32000	-0.1088	0.6298	22	
NITRATE	10	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	956	22.203373	71.278084	21226	10	1800	9000	8.138151	50.541445	73243	1	3100	-0.10449	0.5628	33	
NITRATE	10	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	956	22.203373	71.278084	21226	10	1800	19173	53.91325	102.63829	1033679	0.2	12000	0.187	0.3503	27	
NITRATE	10	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	956	22.203373	71.278084	21226	10	1800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	956	22.203373	71.278084	21226	10	1800	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	2	
NITRATE	10	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	956	22.20337	71.27808	21226	10	1800	13507	4.19948	113.72045	56722	0.05	12000	0.84237	0.0001	19	*
NITRATE	10	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	956	22.20337	71.27808	21226	10	1800	9762	3.45086	8.24248	33687	0.5	710	#N/A	#N/A	29	
NITRATE	10	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	956	22.203373	71.278084	21226	10	1800	20131	4.525946	98.232558	91112	0.01	12000	-0.19354	0.3539	25	
NITRATE	10	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	956	22.203373	71.278084	21226	10	1800	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	35	
NITRATE	10	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	956	22.203373	71.278084	21226	10	1800	17823	7.326853	100.60661	130587	0.01	12000	-0.16538	0.4194	26	
NITRATE	10	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	956	22.203373	71.278084	21226	10	1800	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
NITRATE	10	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	956	22.203373	71.278084	21226	10	1800	14432	5.940315	14.892349	85731	1	785	-0.0512	0.7772	33	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	27516	2.33807	13.946496	64334	0.001	1800	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	1	
NITRATE	0	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	27516	2.33807	13.9465	64334	0.001	1800	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NITRATE	0	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	27516	2.33807	13.9465	64334	0.001	1800	15168	581.52304	3916.8879	8820541	1	160000	-0.00744	0.7156	2403	
NITRATE	0	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	27516	2.33807	13.9465	64334	0.001	1800	42074	243.3273	2387.0571	10237753	0.01	151000	0.00252	0.7583	14864	
NITRATE	0	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	27516	2.33807	13.946496	64334	0.001	1800	5608	0.136363	0.791919	764.723333	0.1	50	0.00273	0.9144	1554	
NITRATE	0	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	27516	2.33807	13.946496	64334	0.001	1800	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.0612	0.0054	2063	*
NITRATE	0	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	27516	2.33807	13.946496	64334	0.001	1800	19215	76.162741	672.33574	1463467	0.5	17000	-0.01349	0.3374	5055	
NITRATE	0	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	27516	2.33807	13.946496	64334	0.001	1800	12890	18.184667	47.752014	234403	1	2400	-0.07773	0.0001	2396	*
NITRATE	0	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	27516	2.33807	13.946496	64334	0.001	1800	49228	0.034175	0.178612	1682.36412	0.001	7.1	0.27755	0.0001	27247	*
NITRATE	0	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	27516	2.33807	13.946496	64334	0.001	1800	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.13448	0.0001	1606	*
NITRATE	0	PH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	27516	2.33807	13.946496	64334	0.001	1800	99613	7.568676	0.845555	753938	0.1	14	-0.00393	0.5303	25518	
NITRATE	0	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	27516	2.33807	13.946496	64334	0.001	1800	15132	5.739795	49.016981	86855	1	3000	0.81757	0.0001	4707	*
NITRATE	0	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	27516	2.33807	13.946496	64334	0.001	1800	7729	6.108779	70.618386	47215	1	5800	-0.00392	0.8564	2130	
NITRATE	0	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	27516	2.33807	13.946496	64334	0.001	1800	352	30.269574	23.93811	10655	0.1	50	0.37647	0.0004	85	*
NITRATE	0	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	27516	2.33807	13.946496	64334	0.001	1800	1005	21.559701	50.912504	21668	1	500	-0.0194	0.6742	472	
NITRATE	0	TURBIDITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	27516	2.33807	13.946496	64334	0.001	1800	34709	38.379662	405.66108	1332120	0.1	36500	-0.03074	0.008	7450	*
NITRATE	0	URANIUM-235	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	27516	2.33807	13.946496	64334	0.001	1800	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	2	
NITRATE	0	URANIUM-238	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	27516	2.33807	13.946496	64334	0.001	1800	26	2.017692	3.112414	52.46	0.1	12	-1	#N/A	2	
NITRATE	0	WELL-DEPTH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	27516	2.33807	13.946496	64334	0.001	1800	581	398.67981	390.97008	231633	3	1980	-0.04189	0.7212	75	
NITRATE	8	ALKALINITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1579	17.043392	55.819195	26912	8	1800	8351	141.86443	79.888743	1184710	0.9	1800	0.06326	0.2482	335	
NITRATE	8	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1579	17.043392	55.819195	26912	8	1800	3697	8.682685	216.40147	32100	0.2	12000	-0.05034	0.8843	14	
NITRATE	8	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1579	17.043392	55.819195	26912	8	1800	969	27.159099	88.389881	26317	1	350	-0.91782	0.2599	3	
NITRATE	8	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1579	17.043392	55.819195	26912	8	1800	10397	18.293928	493.01898	190202	1	32000	-0.0546	0.7447	38	
NITRATE	8	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1579	17.043392	55.819195	26912	8	1800	9000	8.138151	50.541445	73243	1	3100	-0.26906	0.0562	51	*
NITRATE	8	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1579	17.043392	55.819195	26912	8	1800	19173	53.91325	102.63829	1033879	0.2	12000	0.02287	0.8565	65	
NITRATE	8	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1579	17.043392	55.819195	26912	8	1800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1579	17.043392	55.819195	26912	8	1800	7990	86.273276	98.975617	689323	5	3000	#N/A	#N/A	8	
NITRATE	8	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1579	17.04339	55.81919	26912	8	1800	13507	4.19948	113.72045	56722	0.05	12000	0.75378	0.0001	41	*
NITRATE	8	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1579	17.04339	55.81919	26912	8	1800	9762	3.45088	8.24248	33687	0.5	710	0.22852	0.1617	39	
NITRATE	8	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1579	17.043392	55.819195	26912	8	1800	20131	4.525946	98.232558	91112	0.01	12000	-0.06335	0.6654	49	
NITRATE	8	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1579	17.043392	55.819195	26912	8	1800	16049	2.254265	3.179993	36179	1	140	-0.12882	0.3486	55	
NITRATE	8	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1579	17.043392	55.819195	26912	8	1800	17823	7.326853	100.60661	130587	0.01	12000	-0.00261	0.9845	50	
NITRATE	8	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1579	17.043392	55.819195	26912	8	1800	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
NITRATE	8	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1579	17.043392	55.819195	26912	8	1800	14432	5.940315	14.892349	85731	1	765	-0.11106	0.424	54	
NITRATE	8	CONDUCTANCE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1579	17.043392	55.819195	26912	8	1800	151404	835.24242	7585.0802	126459043	1	2400000	0.37977	0.0001	1501	*
NITRATE	8	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1579	17.043392	55.819195	26912	8	1800	4413	0.026723	0.713462	117.928667	0.001	42	0.09338	0.5514	43	
NITRATE	8	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1579	17.043392	55.819195	26912	8	1800	307	0.052834	0.444367	16.22	0.01	6	#N/A	#N/A	1	
NITRATE	8	DEPTH-BELOW-LAN	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1579	17.043392	55.819195	26912	8	1800	178	43.107191	64.532141	7673.08	0.01	544	-0.10167	0.6138	27	
NITRATE	8	DISSOLVED-OXYGE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1579	17.043392	55.819195	26912	8	1800	63235	542.51758	153897	45156451	0.1	44400000	-0.01405	0.6121	1306	
NITRATE	8	DISSOLVED-SOLID	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1579	17.043392	55.819195	26912	8	1800	45639	642.85223	3429.8776	29339133	3	322000	0.38712	0.0001	613	*
NITRATE	[illegible]	ARDNESS	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	157[illegible]	[illegible]43392	55.819195	26912	8	1800	58733	243.24843	454.78754	14288710	1	17000	0.18[illegible]	0.0001	637	*
NITRATE	[illegible]	ION	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	15[illegible]	[illegible]3392	55.819195	26912	8	1800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	RADON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	386	168.69603	221.36582	65117	100	2400	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
NICKEL	100	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	710	1793.9493	3029.7064	1273704	100	17000	15132	5.739795	49.016961	86855	1	3000	0.22025	0.0001	408	*
NICKEL	100	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	710	1793.9493	3029.7064	1273704	100	17000	7729	6.108779	70.618386	47215	1	5800	-0.12543	0.1106	183	
NICKEL	100	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	386	168.69603	221.36582	65117	100	2400	15132	5.739795	49.016961	86855	1	3000	-0.13555	0.0143	326	*
NICKEL	100	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	386	168.69603	221.36582	65117	100	2400	7729	6.108779	70.618386	47215	1	5800	-0.04947	0.3624	341	
NICKEL	100	SULFATE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	710	1793.9493	3029.7064	1273704	100	17000	61449	203.15791	972.75089	12483850	0.01	64000	0.59811	0.0001	615	*
NICKEL	100	SULFATE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	386	168.69603	221.36582	65117	100	2400	61449	203.15791	972.75089	12483850	0.01	64000	0.26279	0.0001	372	*
NICKEL	100	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	710	1793.9493	3029.7064	1273704	100	17000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	1	
NICKEL	100	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	710	1793.9493	3029.7064	1273704	100	17000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
NICKEL	100	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	386	168.69603	221.36582	65117	100	2400	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
NICKEL	100	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	386	168.69603	221.36582	65117	100	2400	1005	21.559701	50.912504	21668	1	500	0.30483	0.6952	4	
NICKEL	100	TURBIDITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	710	1793.9493	3029.7064	1273704	100	17000	34709	38.379682	405.66108	1332120	0.1	36500	-0.11043	0.4178	56	
NICKEL	100	TURBIDITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	386	168.69603	221.36582	65117	100	2400	34709	38.379682	405.66108	1332120	0.1	36500	-0.04279	0.5818	168	
NICKEL	100	URANIUM-235	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	710	1793.9493	3029.7064	1273704	100	17000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
NICKEL	100	URANIUM-235	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	386	168.69603	221.36582	65117	100	2400	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	1	
NICKEL	100	URANIUM-238	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	710	1793.9493	3029.7064	1273704	100	17000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
NICKEL	100	URANIUM-238	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	386	168.69603	221.36582	65117	100	2400	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	1	
NICKEL	100	WELL-DEPTH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	710	1793.9493	3029.7064	1273704	100	17000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
NICKEL	100	WELL-DEPTH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	386	168.69603	221.36582	65117	100	2400	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
NITRATE	0	ALKALINITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	27516	2.33807	13.946496	64334	0.001	1800	8351	141.86443	79.888743	1184710	0.9	1800	0.28405	0.0001	4108	*
NITRATE	0	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	27516	2.33807	13.946496	64334	0.001	1800	3697	8.682685	216.40147	32100	0.2	12000	-0.01096	0.675	1467	
NITRATE	0	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	27516	2.33807	13.946496	64334	0.001	1800	969	27.159099	88.389881	26317	1	350	-0.16219	0.0144	227	*
NITRATE	0	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	27516	2.33807	13.946496	64334	0.001	1800	19173	53.91325	102.63829	1033679	0.2	12000	0.0926	0.0001	4731	*
NITRATE	0	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	27516	2.33807	13.946496	64334	0.001	1800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	27516	2.33807	13.946496	64334	0.001	1800	7990	86.273276	96.975617	689323	5	3000	-0.07371	0.099	502	
NITRATE	0	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	27516	2.33807	13.9465	64334	0.001	1800	13507	4.19948	113.72045	56722	0.05	12000	0.00401	0.8385	2587	
NITRATE	0	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	27516	2.33807	13.9465	64334	0.001	1800	9762	3.45088	8.24248	33687	0.5	710	0.10914	0.0002	1183	*
NITRATE	0	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	27516	2.33807	13.946496	64334	0.001	1800	20131	4.525946	98.232558	91112	0.01	12000	-0.07385	0.0001	3736	*
NITRATE	0	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	27516	2.33807	13.946496	64334	0.001	1800	16049	2.254265	3.179993	36179	1	140	-0.06977	0.0005	2511	*
NITRATE	0	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	27516	2.33807	13.946496	64334	0.001	1800	17823	7.326853	100.60661	130587	0.01	12000	0.04823	0.004	3558	*
NITRATE	0	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	27516	2.33807	13.946496	64334	0.001	1800	880	1.170455	1.484249	1030	1	20	-0.10701	0.0281	421	*
NITRATE	0	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	27516	2.33807	13.946496	64334	0.001	1800	14432	5.940315	14.892349	85731	1	765	-0.0529	0.007	2594	*
NITRATE	0	CONDUCTANCE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	27516	2.33807	13.946496	64334	0.001	1800	151404	835.24242	7585.0802	126459043	1	2400000	0.10875	0.0001	25694	*
NITRATE	0	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	27516	2.33807	13.946496	64334	0.001	1800	4413	0.026723	0.713462	117.928667	0.001	42	-0.01345	0.6721	993	
NITRATE	0	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	27516	2.33807	13.946496	64334	0.001	1800	307	0.052834	0.444387	16.22	0.01	6	0.08272	0.4544	84	
NITRATE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	27516	2.33807	13.946496	64334	0.001	1800	178	43.107191	64.532141	7673.08	0.01	544	-0.15187	0.356	39	
NITRATE	0	DISSOLVED-OXYGE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	27516	2.33807	13.946496	64334	0.001	1800	83235	542.51758	153897	45156451	0.1	44400000	0.00167	0.7987	23212	
NITRATE	0	DISSOLVED-SOLID	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	27516	2.33807	13.946496	64334	0.001	1800	45639	642.85223	3429.8776	29339133	3	322000	0.05905	0.0001	18066	*
NITRATE	0	HARDNESS	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	27516	2.33807	13.946496	64334	0.001	1800	58733	243.24843	454.78754	14286710	1	17000	0.08331	0.0001	19461	*
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	27516	2.33807	13.946496	64334	0.001	1800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	27516	2.33807	13.946496	64334	0.001	1800	16528	3675.8875	37212	60754738	10	2800000	-0.00555	0.7684	2815	
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	27516	2.33807	13.946496	64334	0.001	1800	43140	5389.2633	68858	232492818	0.1	2750000	-0.00592	0.4669	15102	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	DEPTH-BELOW-LAN	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019 (FEET)	386	168.69603	221.36582	65117	100	2400	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-OXYGE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	710	1793.9493	3029.7064	1273704	100	17000	83235	542.51758	153897	45156451	0.1	44400000	-0.35892	0.0001	234	*
NICKEL	100	DISSOLVED-OXYGE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	386	168.69603	221.36582	65117	100	2400	83235	542.51758	153897	45156451	0.1	44400000	-0.43151	0.0001	365	*
NICKEL	100	DISSOLVED-SOLID	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	710	1793.9493	3029.7064	1273704	100	17000	45639	642.85223	3429.8776	29339133	3	322000	0.09498	0.2367	157	
NICKEL	100	DISSOLVED-SOLID	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	386	168.69603	221.36582	65117	100	2400	45639	642.85223	3429.8776	29339133	3	322000	0.10982	0.0439	337	*
NICKEL	100	HARDNESS	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	710	1793.9493	3029.7064	1273704	100	17000	58733	243.24843	454.78754	14286710	1	17000	0.31902	0.0001	705	*
NICKEL	100	HARDNESS	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	386	168.69603	221.36582	65117	100	2400	58733	243.24843	454.78754	14286710	1	17000	0.04382	0.4	371	
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	710	1793.9493	3029.7064	1273704	100	17000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	710	1793.9493	3029.7064	1273704	100	17000	16528	3675.8675	37212	60754738	10	2800000	0.90175	0.0001	108	*
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	710	1793.9493	3029.7064	1273704	100	17000	43140	5389.2633	68858	232492818	0.1	2750000	0.78988	0.0001	708	*
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	710	1793.9493	3029.7064	1273704	100	17000	160	49223	258519	7875716	0.02	2440000	-0.05498	0.9176	6	
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	386	168.69603	221.36582	65117	100	2400	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	386	168.69603	221.36582	65117	100	2400	16528	3675.8675	37212	60754738	10	2800000	0.78564	0.0001	361	*
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	386	168.69603	221.36582	65117	100	2400	43140	5389.2633	68858	232492818	0.1	2750000	0.89547	0.0001	364	*
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	386	168.69603	221.36582	65117	100	2400	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	710	1793.9493	3029.7064	1273704	100	17000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	710	1793.9493	3029.7064	1273704	100	17000	15168	581.52304	3916.8679	8820541	1	160000	0.64502	0.0001	113	*
NICKEL	100	MANGANESE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	710	1793.9493	3029.7064	1273704	100	17000	42074	243.3273	2387.0571	10237753	0.01	151000	0.06206	0.0989	708	
NICKEL	100	MANGANESE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	386	168.69603	221.36582	65117	100	2400	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	386	168.69603	221.36582	65117	100	2400	15168	581.52304	3916.8679	8820541	1	160000	0.75275	0.0001	361	*
NICKEL	100	MANGANESE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	386	168.69603	221.36582	65117	100	2400	42074	243.3273	2387.0571	10237753	0.01	151000	0.72497	0.0001	366	*
NICKEL	100	MERCURY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	710	1793.9493	3029.7064	1273704	100	17000	5608	0.136363	0.791919	764.723333	0.1	50	0.07449	0.3258	176	
NICKEL	100	MERCURY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	710	1793.9493	3029.7064	1273704	100	17000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.09047	0.3587	105	
NICKEL	100	MERCURY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	386	168.69603	221.36582	65117	100	2400	5608	0.136363	0.791919	764.723333	0.1	50	0.02176	0.7033	309	
NICKEL	100	MERCURY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	386	168.69603	221.36582	65117	100	2400	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.03884	0.4632	359	
NICKEL	100	NITRATE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	710	1793.9493	3029.7064	1273704	100	17000	27516	2.33807	13.946496	64334	0.001	1800	-0.10489	0.4251	60	
NICKEL	100	NITRATE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	386	168.69603	221.36582	65117	100	2400	27516	2.33807	13.946496	64334	0.001	1800	-0.18783	0.087	105	
NICKEL	100	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	710	1793.9493	3029.7064	1273704	100	17000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.0892	0.2446	172	
NICKEL	100	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	710	1793.9493	3029.7064	1273704	100	17000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	7	
NICKEL	100	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	386	168.69603	221.36582	65117	100	2400	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.01482	0.8282	217	
NICKEL	100	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	386	168.69603	221.36582	65117	100	2400	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.85167	0.0314	6	*
NICKEL	100	PH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	710	1793.9493	3029.7064	1273704	100	17000	99613	7.568676	0.845555	753938	0.1	14	-0.42451	0.0001	708	*
NICKEL	100	PH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	386	168.69603	221.36582	65117	100	2400	99613	7.568676	0.845555	753938	0.1	14	-0.55262	0.0001	382	*
NICKEL	100	RADIUM-226	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	710	1793.9493	3029.7064	1273704	100	17000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	710	1793.9493	3029.7064	1273704	100	17000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	710	1793.9493	3029.7064	1273704	100	17000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	386	168.69603	221.36582	65117	100	2400	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	386	168.69603	221.36582	65117	100	2400	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	3	
NICKEL	100	RADIUM-226	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	386	168.69603	221.36582	65117	100	2400	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	2	
NICKEL	100	RADON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P76002	RADON 222-PE-P76002-(PCI/L)	710	1793.9493	3029.7064	1273704	100	17000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
NICKEL	[illegible]	RADON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	710	[illegible]93.9493	3029.7064	1273704	100	17000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
NICKEL	[illegible]	RADON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P76002	RADON 222-PE-P76002-(PCI/L)	[illegible]	[illegible]9603	221.36582	65117	100	2400	102	37.441176	53.295844	3819	15	330	[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	0	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	12890	18.184867	47.752014	234403	1	2400	1005	21.559701	50.912504	21668	1	500	0.15013	0.0001	950	*
NICKEL	0	TURBIDITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	19215	76.162741	672.33574	1463467	0.5	17000	34709	38.379662	405.66108	1332120	0.1	36500	-0.00912	0.288	13574	
NICKEL	0	TURBIDITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	12890	18.184867	47.752014	234403	1	2400	34709	38.379662	405.66108	1332120	0.1	36500	0.03898	0.0005	8059	*
NICKEL	0	WELL-DEPTH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	19215	76.162741	672.33574	1463467	0.5	17000	581	398.67981	390.97008	231633	3	1980	-0.42561	0.3411	7	
NICKEL	0	WELL-DEPTH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	12890	18.184867	47.752014	234403	1	2400	581	398.67981	390.97008	231633	3	1980	1	#N/A	2	
NICKEL	100	ALKALINITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	710	1793.9493	3029.7064	1273704	100	17000	8351	141.86443	79.886743	1184710	0.9	1800	-0.08589	0.5253	57	
NICKEL	100	ALKALINITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	386	168.69603	221.36582	65117	100	2400	8351	141.86443	79.886743	1184710	0.9	1800	-0.17537	0.023	168	*
NICKEL	100	ANTIMONY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	710	1793.9493	3029.7064	1273704	100	17000	3697	8.682685	216.40147	32100	0.2	12000	0.99723	0.0001	28	*
NICKEL	100	ANTIMONY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	710	1793.9493	3029.7064	1273704	100	17000	969	27.159099	88.389881	26317	1	350	-0.83321	0.0002	14	*
NICKEL	100	ANTIMONY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	386	168.69603	221.36582	65117	100	2400	3697	8.682685	216.40147	32100	0.2	12000	-0.08885	0.458	72	
NICKEL	100	ANTIMONY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	386	168.69603	221.36582	65117	100	2400	969	27.159099	88.389881	26317	1	350	0.04172	0.6183	145	
NICKEL	100	ARSENIC	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	710	1793.9493	3029.7064	1273704	100	17000	10397	18.293928	493.01898	190202	1	32000	0.02905	0.4531	669	
NICKEL	100	ARSENIC	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	710	1793.9493	3029.7064	1273704	100	17000	9000	8.138151	50.541445	73243	1	3100	-0.09983	0.3358	95	
NICKEL	100	ARSENIC	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	386	168.69603	221.36582	65117	100	2400	10397	18.293928	493.01898	190202	1	32000	-0.07799	0.1594	327	
NICKEL	100	ARSENIC	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	386	168.69603	221.36582	65117	100	2400	9000	8.138151	50.541445	73243	1	3100	0.08872	0.0951	355	
NICKEL	100	BARIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	710	1793.9493	3029.7064	1273704	100	17000	19173	53.91325	102.63829	1033679	0.2	12000	0.18582	0.0001	602	*
NICKEL	100	BARIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	710	1793.9493	3029.7064	1273704	100	17000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	710	1793.9493	3029.7064	1273704	100	17000	7990	86.273276	96.975617	689323	5	3000	-0.49154	0.0001	75	*
NICKEL	* 100	BARIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	386	168.69603	221.36582	65117	100	2400	19173	53.91325	102.63829	1033679	0.2	12000	-0.22217	0.0001	365	*
NICKEL	100	BARIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	386	168.69603	221.36582	65117	100	2400	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	386	168.69603	221.36582	65117	100	2400	7990	86.273276	96.975617	689323	5	3000	-0.04152	0.5392	221	
NICKEL	100	BERYLLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	710	1793.9493	3029.7064	1273704	100	17000	13507	4.19948	113.72045	56722	0.05	12000	0.19146	0.0001	540	*
NICKEL	100	BERYLLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	710	1793.9493	3029.7064	1273704	100	17000	9762	3.45088	8.24248	33687	0.5	710	0.98481	0.0001	34	*
NICKEL	100	BERYLLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	386	168.69603	221.36582	65117	100	2400	13507	4.19948	113.72045	56722	0.05	12000	0.79799	0.0001	108	*
NICKEL	100	BERYLLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	386	168.69603	221.36582	65117	100	2400	9762	3.45088	8.24248	33687	0.5	710	0.13956	0.0602	182	
NICKEL	100	CADMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	710	1793.9493	3029.7064	1273704	100	17000	20131	4.525946	98.232558	91112	0.01	12000	0.2242	0.0001	673	*
NICKEL	100	CADMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	710	1793.9493	3029.7064	1273704	100	17000	16049	2.254265	3.179993	36179	1	140	0.90738	0.0001	98	*
NICKEL	100	CADMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	386	168.69603	221.36582	65117	100	2400	20131	4.525946	98.232558	91112	0.01	12000	0.81267	0.0001	365	*
NICKEL	100	CADMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	386	168.69603	221.36582	65117	100	2400	16049	2.254265	3.179993	36179	1	140	0.86036	0.0001	363	*
NICKEL	100	CHROMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	710	1793.9493	3029.7064	1273704	100	17000	17823	7.326853	100.60661	130587	0.01	12000	0.22863	0.0001	710	*
NICKEL	100	CHROMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	710	1793.9493	3029.7064	1273704	100	17000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	710	1793.9493	3029.7064	1273704	100	17000	14432	5.940315	14.892349	85731	1	765	0.87366	0.0001	100	*
NICKEL	100	CHROMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	386	168.69603	221.36582	65117	100	2400	17823	7.326853	100.60661	130587	0.01	12000	0.84168	0.0001	366	*
NICKEL	100	CHROMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	386	168.69603	221.36582	65117	100	2400	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	386	168.69603	221.36582	65117	100	2400	14432	5.940315	14.892349	85731	1	765	0.29089	0.0001	368	*
NICKEL	100	CONDUCTANCE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	710	1793.9493	3029.7064	1273704	100	17000	151404	835.24242	7585.0802	126459043	1	2400000	0.13266	0.0004	708	*
NICKEL	100	CONDUCTANCE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	386	168.69603	221.36582	65117	100	2400	151404	835.24242	7585.0802	126459043	1	2400000	-0.02136	0.6772	382	
NICKEL	100	CYANIDE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	710	1793.9493	3029.7064	1273704	100	17000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	21	
NICKEL	100	CYANIDE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	710	1793.9493	3029.7064	1273704	100	17000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
NICKEL	100	CYANIDE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	386	168.69603	221.36582	65117	100	2400	4413	0.026723	0.713462	117.928667	0.001	42	-0.09136	0.6017	35	
NICKEL	100	CYANIDE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	386	168.69603	221.36582	65117	100	2400	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	1	
NICKEL	100	DEPTH-BELOW-LAN	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	710	1793.9493	3029.7064	1273704	100	17000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	13	9.55	13.872094	124.15	2	50	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	3	
MERCURY	2	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	28	4.806548	5.002403	134.583333	2.2	28.333333	15132	5.739795	49.016961	86855	1	3000	0.46181	0.4336	5	
MERCURY	2	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	28	4.806548	5.002403	134.583333	2.2	28.333333	7729	6.108779	70.618386	47215	1	5800	-0.2337	0.4892	11	
MERCURY	2	SULFATE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	13	9.55	13.872094	124.15	2	50	61449	203.15791	972.75089	12483850	0.01	64000	-0.22945	0.4508	13	
MERCURY	2	SULFATE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	28	4.806548	5.002403	134.583333	2.2	28.333333	61449	203.15791	972.75089	12483850	0.01	64000	-0.29456	0.3793	11	
MERCURY	2	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	13	9.55	13.872094	124.15	2	50	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	1	
MERCURY	2	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	13	9.55	13.872094	124.15	2	50	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
MERCURY	2	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	28	4.806548	5.002403	134.583333	2.2	28.333333	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
MERCURY	2	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	28	4.806548	5.002403	134.583333	2.2	28.333333	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	1	
MERCURY	2	TURBIDITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	13	9.55	13.872094	124.15	2	50	34709	38.379662	405.66108	1332120	0.1	36500	-1	#N/A	2	
MERCURY	2	TURBIDITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	28	4.806548	5.002403	134.583333	2.2	28.333333	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	1	
MERCURY	2	URANIUM-235	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	13	9.55	13.872094	124.15	2	50	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
MERCURY	2	URANIUM-235	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
MERCURY	2	URANIUM-238	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	13	9.55	13.872094	124.15	2	50	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
MERCURY	2	URANIUM-238	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
MERCURY	2	WELL-DEPTH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	13	9.55	13.872094	124.15	2	50	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MERCURY	2	WELL-DEPTH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	28	4.806548	5.002403	134.583333	2.2	28.333333	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
NICKEL	0	ALKALINITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	19215	76.162741	672.33574	1463467	0.5	17000	8351	141.86443	79.888743	1184710	0.9	1800	-0.02411	0.3085	1786	
NICKEL	0	ALKALINITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	12890	18.184867	47.752014	234403	1	2400	8351	141.86443	79.888743	1184710	0.9	1800	0.03124	0.415	683	
NICKEL	0	CONDUCTANCE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	19215	76.162741	672.33574	1463467	0.5	17000	151404	835.24242	7585.0802	126459043	1	2400000	0.24843	0.0001	18755	*
NICKEL	0	CONDUCTANCE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	12890	18.184867	47.752014	234403	1	2400	151404	835.24242	7585.0802	126459043	1	2400000	0.26627	0.0001	12530	*
NICKEL	0	DEPTH-BELOW-LAN	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	19215	76.162741	672.33574	1463467	0.5	17000	178	43.107191	64.532141	7673.08	0.01	544	-0.41106	0.4181	6	
NICKEL	0	DEPTH-BELOW-LAN	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	12890	18.184867	47.752014	234403	1	2400	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
NICKEL	0	DISSOLVED-OXYGE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	19215	76.162741	672.33574	1463467	0.5	17000	83235	542.51758	153897	45156451	0.1	44400000	-0.01788	0.0179	17540	*
NICKEL	0	DISSOLVED-OXYGE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	12890	18.184867	47.752014	234403	1	2400	83235	542.51758	153897	45156451	0.1	44400000	-0.01086	0.2439	11510	
NICKEL	0	DISSOLVED-SOLID	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	19215	76.162741	672.33574	1463467	0.5	17000	45639	642.85223	3429.8776	29339133	3	322000	0.27515	0.0001	12123	*
NICKEL	0	DISSOLVED-SOLID	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	12890	18.184867	47.752014	234403	1	2400	45639	642.85223	3429.8776	29339133	3	322000	0.47974	0.0001	5483	*
NICKEL	0	HARDNESS	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	19215	76.162741	672.33574	1463467	0.5	17000	58733	243.24843	454.78754	14286710	1	17000	0.36445	0.0001	19024	*
NICKEL	0	HARDNESS	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	12890	18.184867	47.752014	234403	1	2400	58733	243.24843	454.78754	14286710	1	17000	0.34516	0.0001	11837	*
NICKEL	0	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	19215	76.162741	672.33574	1463467	0.5	17000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.01227	0.2118	10360	
NICKEL	0	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	19215	76.162741	672.33574	1463467	0.5	17000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.00081	0.9784	1124	
NICKEL	0	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	12890	18.184867	47.752014	234403	1	2400	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.01776	0.2846	3634	
NICKEL	0	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	12890	18.184867	47.752014	234403	1	2400	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.01365	0.5899	1561	
NICKEL	0	PH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	19215	76.162741	672.33574	1463467	0.5	17000	99613	7.568676	0.845555	753938	0.1	14	-0.46633	0.0001	18884	*
NICKEL	0	PH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	12890	18.184867	47.752014	234403	1	2400	99613	7.568676	0.845555	753938	0.1	14	-0.11765	0.0001	12459	*
NICKEL	0	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	19215	76.162741	672.33574	1463467	0.5	17000	15132	5.739795	49.016961	86855	1	3000	0.10299	0.0001	9404	*
NICKEL	0	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	19215	76.162741	672.33574	1463467	0.5	17000	7729	6.108779	70.618386	47215	1	5800	0.01548	0.41	2834	
NICKEL	0	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	12890	18.184867	47.752014	234403	1	2400	15132	5.739795	49.016961	86855	1	3000	0.00662	0.7968	1516	
NICKEL	0	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	12890	18.184867	47.752014	234403	1	2400	7729	6.108779	70.618386	47215	1	5800	0.06588	0.0001	5865	*
NICKEL	0	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	19215	76.162741	672.33574	1463467	0.5	17000	352	30.269574	23.93811	10655	0.1	50	0.24036	0.0001	285	*
NICKEL	0	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	19215	[illegible]	672.33574	1463467	0.5	17000	1005	21.559701	50.912504	21668	1	500	[illegible]	[illegible]	113	*
NICKEL	[illegible]	[illegible]LLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	128[illegible]	[illegible]	47.752014	234403	1	2400	352	30.269574	23.93811	10655	0.1	50	[illegible]	[illegible]	88	

Appendix E-threshold. National Correlation analysis. Correlation c[illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	DISSOLVED-OXYGE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	83235	542.51758	153897	45156451	0.1	44400000	0.00693	0.9789	17	
MERCURY	2	DISSOLVED-SOLID	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	13	9.55	13.872094	124.15	2	50	45639	642.85223	3429.8776	29339133	3	322000	-0.22531	0.4592	13	
MERCURY	2	DISSOLVED-SOLID	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	45639	642.85223	3429.8776	29339133	3	322000	-0.29263	0.3825	11	
MERCURY	2	HARDNESS	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	13	9.55	13.872094	124.15	2	50	58733	243.24843	454.78754	14286710	1	17000	-0.22741	0.455	13	
MERCURY	2	HARDNESS	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	28	4.806548	5.002403	134.583333	2.2	28.333333	58733	243.24843	454.78754	14286710	1	17000	-0.30376	0.3638	11	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	13	9.55	13.872094	124.15	2	50	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	13	9.55	13.872094	124.15	2	50	16528	3675.8675	37212	60754738	10	2800000	1	#N/A	2	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	13	9.55	13.872094	124.15	2	50	43140	5389.2633	68858	232492818	0.1	2750000	0.92688	0.0001	11	*
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	13	9.55	13.872094	124.15	2	50	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	28	4.806548	5.002403	134.583333	2.2	28.333333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	28	4.806548	5.002403	134.583333	2.2	28.333333	16528	3675.8675	37212	60754738	10	2800000	-0.45212	0.368	6	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	28	4.806548	5.002403	134.583333	2.2	28.333333	43140	5389.2633	68858	232492818	0.1	2750000	0.08716	0.8235	9	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	13	9.55	13.87209	124.15	2	50	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	13	9.55	13.87209	124.15	2	50	15168	581.52304	3916.8679	8820541	1	160000	1	#N/A	2	
MERCURY	2	MANGANESE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	13	9.55	13.87209	124.15	2	50	42074	243.3273	2387.0571	10237753	0.01	151000	-0.2627	0.4947	9	
MERCURY	2	MANGANESE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	28	4.80655	5.0024	134.58333	2.2	28.33333	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	28	4.80655	5.0024	134.58333	2.2	28.33333	15168	581.52304	3916.8679	8820541	1	160000	-0.33533	0.3777	9	
MERCURY	2	MANGANESE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	28	4.80655	5.0024	134.58333	2.2	28.33333	42074	243.3273	2387.0571	10237753	0.01	151000	-0.0972	0.8035	9	
MERCURY	2	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	13	9.55	13.872094	124.15	2	50	19215	76.162741	672.33574	1463467	0.5	17000	-0.56337	0.3227	5	
MERCURY	2	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	13	9.55	13.872094	124.15	2	50	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	1	
MERCURY	2	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	28	4.806548	5.002403	134.583333	2.2	28.333333	19215	76.162741	672.33574	1463467	0.5	17000	-0.59759	0.5922	3	
MERCURY	2	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	28	4.806548	5.002403	134.583333	2.2	28.333333	12890	18.184867	47.752014	234403	1	2400	-0.75195	0.1427	5	
MERCURY	2	NITRATE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	13	9.55	13.872094	124.15	2	50	27516	2.33807	13.946496	64334	0.001	1800	-0.4414	0.4568	5	
MERCURY	2	NITRATE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	28	4.806548	5.002403	134.583333	2.2	28.333333	27516	2.33807	13.946496	64334	0.001	1800	-0.26397	0.736	4	
MERCURY	2	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	13	9.55	13.872094	124.15	2	50	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.85756	0.0065	8	*
MERCURY	2	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	13	9.55	13.872094	124.15	2	50	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	1	
MERCURY	2	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	28	4.806548	5.002403	134.583333	2.2	28.333333	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.15195	0.745	7	
MERCURY	2	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	28	4.806548	5.002403	134.583333	2.2	28.333333	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.74736	0.2526	4	
MERCURY	2	PH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	13	9.55	13.872094	124.15	2	50	99613	7.568676	0.845555	753938	0.1	14	0.07695	0.8121	12	
MERCURY	2	PH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	28	4.806548	5.002403	134.583333	2.2	28.333333	99613	7.568676	0.845555	753938	0.1	14	-0.58022	0.0037	23	*
MERCURY	2	RADIUM-226	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	13	9.55	13.872094	124.15	2	50	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	13	9.55	13.872094	124.15	2	50	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	13	9.55	13.872094	124.15	2	50	576	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	1	
MERCURY	2	RADIUM-226	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	576	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	1	
MERCURY	2	RADON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P76002	RADON 222-PE-P76002-(PCI/L)	13	9.55	13.872094	124.15	2	50	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	1	
MERCURY	2	RADON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	13	9.55	13.872094	124.15	2	50	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	1	
MERCURY	2	RADON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P76002	RADON 222-PE-P76002-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
MERCURY	2	RADON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	28	4.806548	5.002403	134.583333	2.2	28.333333	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
MERCURY	2	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	13	9.55	13.872094	124.15	2	50	15132	5.739795	49.016961	86855	1	3000	0.98761	0.0001	11	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	0	TURBIDITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	34709	38.379662	405.66108	1332120	0.1	36500	0.08472	0.0001	6390	*
MERCURY	0	WELL-DEPTH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	5608	0.136363	0.791919	764.723333	0.1	50	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	4	
MERCURY	0	WELL-DEPTH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MERCURY	2	ALKALINITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	13	9.55	13.872094	124.15	2	50	8351	141.86443	79.888743	1184710	0.9	1800	0.34063	0.7787	3	
MERCURY	2	ALKALINITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	28	4.806548	5.002403	134.583333	2.2	28.333333	8351	141.86443	79.888743	1184710	0.9	1800	-1	#N/A	2	
MERCURY	2	ANTIMONY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	13	9.55	13.872094	124.15	2	50	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	2	
MERCURY	2	ANTIMONY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	13	9.55	13.872094	124.15	2	50	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	28	4.806548	5.002403	134.583333	2.2	28.333333	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	1	
MERCURY	2	ANTIMONY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	28	4.806548	5.002403	134.583333	2.2	28.333333	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	1	
MERCURY	2	ARSENIC	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	13	9.55	13.872094	124.15	2	50	10397	18.293928	493.01898	190202	1	32000	0.92111	0.0001	12	*
MERCURY	2	ARSENIC	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	13	9.55	13.872094	124.15	2	50	9000	8.138151	50.541445	73243	1	3100	-0.2951	0.8093	3	
MERCURY	2	ARSENIC	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	28	4.806548	5.002403	134.583333	2.2	28.333333	10397	18.293928	493.01898	190202	1	32000	-0.25161	0.5478	8	
MERCURY	2	ARSENIC	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	28	4.806548	5.002403	134.583333	2.2	28.333333	9000	8.138151	50.541445	73243	1	3100	0.44211	0.1734	11	
MERCURY	2	BARIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	13	9.55	13.872094	124.15	2	50	19173	53.91325	102.63829	1033679	0.2	12000	-0.20374	0.6986	6	
MERCURY	2	BARIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	13	9.55	13.872094	124.15	2	50	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	13	9.55	13.872094	124.15	2	50	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	1	
MERCURY	2	BARIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	28	4.806548	5.002403	134.583333	2.2	28.333333	19173	53.91325	102.63829	1033679	0.2	12000	0.48542	0.4072	5	
MERCURY	2	BARIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	28	4.806548	5.002403	134.583333	2.2	28.333333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	28	4.806548	5.002403	134.583333	2.2	28.333333	7990	86.273276	96.975617	689323	5	3000	-0.43497	0.4642	5	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	13	9.55	13.87209	124.15	2	50	13507	4.19948	113.72045	56722	0.05	12000	0.39303	0.607	4	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	13	9.55	13.87209	124.15	2	50	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	28	4.80655	5.0024	134.58333	2.2	28.33333	13507	4.19948	113.72045	56722	0.05	12000	1	#N/A	2	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	28	4.80655	5.0024	134.58333	2.2	28.33333	9762	3.45088	8.24248	33687	0.5	710	-0.63645	0.5608	3	
MERCURY	2	CADMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	13	9.55	13.872094	124.15	2	50	20131	4.525946	98.232558	91112	0.01	12000	0.87723	0.0004	11	*
MERCURY	2	CADMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	13	9.55	13.872094	124.15	2	50	16049	2.254265	3.179993	36179	1	140	-1	#N/A	2	
MERCURY	2	CADMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	28	4.806548	5.002403	134.583333	2.2	28.333333	20131	4.525946	98.232558	91112	0.01	12000	-0.30785	0.3869	10	
MERCURY	2	CADMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	28	4.806548	5.002403	134.583333	2.2	28.333333	16049	2.254265	3.179993	36179	1	140	-0.1471	0.6851	10	
MERCURY	2	CHROMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	13	9.55	13.872094	124.15	2	50	17823	7.326853	100.60661	130587	0.01	12000	0.49155	0.179	9	
MERCURY	2	CHROMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	13	9.55	13.872094	124.15	2	50	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	13	9.55	13.872094	124.15	2	50	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	1	
MERCURY	2	CHROMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	28	4.806548	5.002403	134.583333	2.2	28.333333	17823	7.326853	100.60661	130587	0.01	12000	0.86659	0.0255	6	*
MERCURY	2	CHROMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	28	4.806548	5.002403	134.583333	2.2	28.333333	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	28	4.806548	5.002403	134.583333	2.2	28.333333	14432	5.940315	14.892349	85731	1	765	-0.3942	0.3339	8	
MERCURY	2	CONDUCTANCE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	13	9.55	13.872094	124.15	2	50	151404	835.24242	7585.0802	126459043	1	2400000	-0.24339	0.4708	11	
MERCURY	2	CONDUCTANCE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	28	4.806548	5.002403	134.583333	2.2	28.333333	151404	835.24242	7585.0802	126459043	1	2400000	-0.1086	0.5897	27	
MERCURY	2	CYANIDE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	13	9.55	13.872094	124.15	2	50	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	2	
MERCURY	2	CYANIDE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	13	9.55	13.872094	124.15	2	50	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	1	
MERCURY	2	CYANIDE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	28	4.806548	5.002403	134.583333	2.2	28.333333	4413	0.026723	0.713462	117.928667	0.001	42	1	#N/A	2	
MERCURY	2	CYANIDE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	28	4.806548	5.002403	134.583333	2.2	28.333333	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
MERCURY	2	DEPTH-BELOW-LAN	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	13	9.55	13.872094	124.15	2	50	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
MERCURY		DEPTH-BELOW-[illegible]	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	28	[illegible]548	5.002403	134.583333	2.2	28.333333	178	43.107191	64.532141	7673.08	0.01	544	#N/A	[illegible]/A	0	
MERCURY		[illegible]OLVED-OXYGE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	13	[illegible]55	13.872094	124.15	2	50	83235	542.51758	153897	45156451	0.1	44400000	0.55	[illegible]768	11	

Appendix E-threshold. National Correlation analysis. Correlation [illegible] and summary statistics by threshold level (surface water).

VTAQ	VTHRES	WTAQ	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	TURBIDITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	11179	779.99545	4546.0885	8719569	50	160000	34709	38.37966	405.66107	1332120	0.1	36500	0.07775	0.0001	6659	*
MANGANESE	50	TURBIDITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	12806	766.17949	4281.1803	9811695	50	151000	34709	38.37966	405.66107	1332120	0.1	36500	-0.0034	0.8095	5031	
MANGANESE	50	URANIUM-235	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.14615	0.12403	3.8	0.1	0.6	#N/A	#N/A	0	
MANGANESE	50	URANIUM-235	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	26	0.14615	0.12403	3.8	0.1	0.6	-0.08755	0.7761	13	
MANGANESE	50	URANIUM-235	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	26	0.14615	0.12403	3.8	0.1	0.6	#N/A	#N/A	2	
MANGANESE	50	URANIUM-238	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.01769	3.11241	52.46	0.1	12	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	26	2.01769	3.11241	52.46	0.1	12	-0.07069	0.8185	13	
MANGANESE	50	URANIUM-238	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	26	2.01769	3.11241	52.46	0.1	12	-1	#N/A	2	
MANGANESE	50	WELL-DEPTH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	11179	779.99545	4546.0885	8719569	50	160000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	12806	766.17949	4281.1803	9811695	50	151000	581	398.67981	390.97008	231633	3	1980	0.99138	0.0836	3	
MERCURY	0	ALKALINITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5608	0.136363	0.791919	764.723333	0.1	50	8351	141.86443	79.888743	1184710	0.9	1800	0.00096	0.9746	1112	
MERCURY	0	ALKALINITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	8351	141.86443	79.888743	1184710	0.9	1800	-0.02367	0.5074	787	
MERCURY	0	CONDUCTANCE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5608	0.136363	0.791919	764.723333	0.1	50	151404	835.24242	7585.0802	126459043	1	2400000	0.02672	0.0485	5552	*
MERCURY	0	CONDUCTANCE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	151404	835.24242	7585.0802	126459043	1	2400000	0.02129	0.0272	10760	*
MERCURY	0	DEPTH-BELOW-LAN	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5608	0.136363	0.791919	764.723333	0.1	50	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	5	
MERCURY	0	DEPTH-BELOW-LAN	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
MERCURY	0	DISSOLVED-OXYGE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5608	0.136363	0.791919	764.723333	0.1	50	83235	542.51758	153897	45156451	0.1	44400000	0.01514	0.3075	4547	
MERCURY	0	DISSOLVED-OXYGE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	83235	542.51758	153897	45156451	0.1	44400000	-0.00412	0.6828	9854	
MERCURY	0	DISSOLVED-SOLID	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5608	0.136363	0.791919	764.723333	0.1	50	45639	642.85223	3429.8776	29339133	3	322000	0.0094	0.5112	4684	
MERCURY	0	DISSOLVED-SOLID	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	45639	642.85223	3429.8776	29339133	3	322000	0.06305	0.0001	6341	*
MERCURY	0	HARDNESS	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5608	0.136363	0.791919	764.723333	0.1	50	58733	243.24843	454.78754	14286710	1	17000	0.01107	0.4164	5386	
MERCURY	0	HARDNESS	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	58733	243.24843	454.78754	14286710	1	17000	0.02672	0.0075	10022	*
MERCURY	0	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5608	0.136363	0.791919	764.723333	0.1	50	19215	76.162741	672.33574	1463467	0.5	17000	0.01363	0.4773	2719	
MERCURY	0	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5608	0.136363	0.791919	764.723333	0.1	50	12890	18.184867	47.752014	234403	1	2400	0.06785	0.0472	856	*
MERCURY	0	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	19215	76.162741	672.33574	1463467	0.5	17000	-0.00804	0.5296	6114	
MERCURY	0	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	12890	18.184867	47.752014	234403	1	2400	0.00664	0.5227	9279	
MERCURY	0	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5608	0.136363	0.791919	764.723333	0.1	50	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.00704	0.6687	3700	
MERCURY	0	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5608	0.136363	0.791919	764.723333	0.1	50	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.01758	0.7323	381	
MERCURY	0	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.03016	0.0853	3257	
MERCURY	0	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.02185	0.3096	2164	
MERCURY	0	PH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5608	0.136363	0.791919	764.723333	0.1	50	99613	7.568676	0.845555	753938	0.1	14	0.01072	0.4305	5414	
MERCURY	0	PH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	99613	7.568676	0.845555	753938	0.1	14	-0.00221	0.8193	10725	
MERCURY	0	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5608	0.136363	0.791919	764.723333	0.1	50	15132	5.739795	49.016961	86855	1	3000	0.14376	0.0001	5404	*
MERCURY	0	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5608	0.136363	0.791919	764.723333	0.1	50	7729	6.108779	70.618386	47215	1	5800	0.01309	0.6324	1338	
MERCURY	0	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	15132	5.739795	49.016961	86855	1	3000	0.03401	0.151	1784	
MERCURY	0	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	7729	6.108779	70.618386	47215	1	5800	0.03434	0.0077	6017	*
MERCURY	0	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5608	0.136363	0.791919	764.723333	0.1	50	352	30.269574	23.93811	10655	0.1	50	-0.09073	0.4485	72	
MERCURY	0	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5608	0.136363	0.791919	764.723333	0.1	50	1005	21.559701	50.912504	21668	1	500	-0.28788	0.1454	27	
MERCURY	0	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	352	30.269574	23.93811	10655	0.1	50	0.3114	0.0164	59	*
MERCURY	0	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	11068	0.118446	0.362079	1310.95512	0.04	28.333333	1005	21.559701	50.912504	21668	1	500	0.2786	0.0001	816	*
MERCURY	0	TURBIDITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	5608	0.136363	0.791919	764.723333	0.1	50	34709	38.379662	405.66108	1332120	0.1	36500	-0.00213	0.9238	2015	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	NITRATE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	11179	779.99545	4546.0885	8719569	50	160000	27516	2.33807	13.9465	64334	0.001	1800	-0.0726	0.0022	1770	*
MANGANESE	50	NITRATE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	12806	766.17949	4281.1803	9811695	50	151000	27516	2.33807	13.9465	64334	0.001	1800	0.02074	0.1888	4015	
MANGANESE	50	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	49228	0.03417	0.17881	1682.36412	0.001	7.1	ON/A	ON/A	0	
MANGANESE	50	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	10597	0.02285	0.1154	242.17912	0.001	10.12167	ON/A	ON/A	0	
MANGANESE	50	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	11179	779.99545	4546.0885	8719569	50	160000	49228	0.03417	0.17881	1682.36412	0.001	7.1	-0.02546	0.1779	2803	
MANGANESE	50	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	11179	779.99545	4546.0885	8719569	50	160000	10597	0.02285	0.1154	242.17912	0.001	10.12167	-0.01465	0.6254	1113	
MANGANESE	50	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	12806	766.17949	4281.1803	9811695	50	151000	49228	0.03417	0.17881	1682.36412	0.001	7.1	-0.03518	0.004	6703	*
MANGANESE	50	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	12806	766.17949	4281.1803	9811695	50	151000	10597	0.02285	0.1154	242.17912	0.001	10.12167	-0.03356	0.4159	590	
MANGANESE	50	PH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	99613	7.56868	0.84556	753938	0.1	14	ON/A	ON/A	0	
MANGANESE	50	PH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	11179	779.99545	4546.0885	8719569	50	160000	99613	7.56868	0.84556	753938	0.1	14	-0.33106	0.0001	10967	*
MANGANESE	50	PH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	12806	766.17949	4281.1803	9811695	50	151000	99613	7.56868	0.84556	753938	0.1	14	-0.2838	0.0001	12527	*
MANGANESE	50	RADIUM-226	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	10	0.11	0.03162	1.1	0.1	0.2	ON/A	ON/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	624	0.11043	0.22195	68.91	0.02	3	ON/A	ON/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	578	0.02664	0.03834	15.4	0.007	0.48	ON/A	ON/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	10	0.11	0.03162	1.1	0.1	0.2	ON/A	ON/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	624	0.11043	0.22195	68.91	0.02	3	-0.14249	0.5378	21	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	578	0.02664	0.03834	15.4	0.007	0.48	-0.08992	0.7143	19	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	10	0.11	0.03162	1.1	0.1	0.2	ON/A	ON/A	1	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	624	0.11043	0.22195	68.91	0.02	3	0.02591	0.8613	48	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	578	0.02664	0.03834	15.4	0.007	0.48	-0.14005	0.3764	42	
MANGANESE	50	RADON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	102	37.44118	53.29584	3819	15	330	ON/A	ON/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	102	318.25	498.76308	32462	24	3300	ON/A	ON/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	102	37.44118	53.29584	3819	15	330	ON/A	ON/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	11179	779.99545	4546.0885	8719569	50	160000	102	318.25	498.76308	32462	24	3300	ON/A	ON/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	102	37.44118	53.29584	3819	15	330	-0.61646	0.5771	3	
MANGANESE	50	RADON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	12806	766.17949	4281.1803	9811695	50	151000	102	318.25	498.76308	32462	24	3300	-0.7164	0.4916	3	
MANGANESE	50	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	15132	5.7398	49.01696	86855	1	3000	ON/A	ON/A	0	
MANGANESE	50	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	7729	6.10878	70.61839	47215	1	5800	ON/A	ON/A	0	
MANGANESE	50	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	11179	779.99545	4546.0885	8719569	50	160000	15132	5.7398	49.01696	86855	1	3000	-0.06343	0.0169	1418	*
MANGANESE	50	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	11179	779.99545	4546.0885	8719569	50	160000	7729	6.10878	70.61839	47215	1	5800	-0.0137	0.4201	3466	
MANGANESE	50	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	12806	766.17949	4281.1803	9811695	50	151000	15132	5.7398	49.01696	86855	1	3000	0.00106	0.9526	3160	
MANGANESE	50	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	12806	766.17949	4281.1803	9811695	50	151000	7729	6.10878	70.61839	47215	1	5800	-0.04415	0.1353	1146	
MANGANESE	50	SULFATE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	ON/A	ON/A	ON/A	ON/A	ON/A	61449	203.15791	972.75089	12483850	0.01	64000	ON/A	ON/A	0	
MANGANESE	50	SULFATE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	11179	779.99545	4546.0885	8719569	50	160000	61449	203.15791	972.75089	12483850	0.01	64000	0.37768	0.0001	8516	*
MANGANESE	50	SULFATE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	12806	766.17949	4281.1803	9811695	50	151000	61449	203.15791	972.75089	12483850	0.01	64000	0.19935	0.0001	11479	*
MANGANESE	50	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	ON/A	ON/A	ON/A	ON/A	ON/A	352	30.26957	23.93811	10655	0.1	50	ON/A	ON/A	0	
MANGANESE	50	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1005	21.5597	50.9125	21668	1	500	ON/A	ON/A	0	
MANGANESE	50	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	11179	779.99545	4546.0885	8719569	50	160000	352	30.26957	23.93811	10655	0.1	50	-0.08495	0.1973	232	
MANGANESE	50	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	11179	779.99545	4546.0885	8719569	50	160000	1005	21.5597	50.9125	21668	1	500	-0.29838	0.0004	139	*
MANGANESE	50	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	12806	766.17949	4281.1803	9811695	50	151000	352	30.26957	23.93811	10655	0.1	50	-0.13252	0.0655	194	
MANGANESE	[illegible]	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	12806	[illegible]	4281.1803	9811695	50	151000	1005	21.5597	50.9125	21668	1	500	-0.00[illegible]	0.9987	44	
MANGANESE	[illegible]	[illegible]BIDITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	[illegible]	[illegible]	ON/A	ON/A	ON/A	ON/A	34709	38.37966	405.86107	1332120	0.1	36500	ON[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [redacted] and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	CYANIDE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.05283	0.44439	16.22	0.01	6	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	11179	779.99545	4546.0885	8719569	50	160000	4413	0.02672	0.71346	117.92867	0.001	42	-0.00271	0.898	2243	
MANGANESE	50	CYANIDE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	11179	779.99545	4546.0885	8719569	50	160000	307	0.05283	0.44439	16.22	0.01	6	-0.06238	0.4931	123	
MANGANESE	50	CYANIDE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	12806	766.17949	4281.1803	9811695	50	151000	4413	0.02672	0.71346	117.92867	0.001	42	-0.00549	0.8697	894	
MANGANESE	50	CYANIDE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	12806	766.17949	4281.1803	9811695	50	151000	307	0.05283	0.44439	16.22	0.01	6	-0.01473	0.8715	123	
MANGANESE	50	DEPTH-BELOW-LAN	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.10719	64.53214	7673.08	0.01	544	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	11179	779.99545	4546.0885	8719569	50	160000	178	43.10719	64.53214	7673.08	0.01	544	0.88913	0.1109	4	
MANGANESE	50	DEPTH-BELOW-LAN	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	12806	766.17949	4281.1803	9811695	50	151000	178	43.10719	64.53214	7673.08	0.01	544	0.78562	0.0448	7	*
MANGANESE	50	DISSOLVED-OXYGE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-OXYGE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	11179	779.99545	4546.0885	8719569	50	160000	83235	542.51758	153897	45156451	0.1	44400000	-0.00134	0.895	9754	
MANGANESE	50	DISSOLVED-OXYGE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	12806	766.17949	4281.1803	9811695	50	151000	83235	542.51758	153897	45156451	0.1	44400000	-0.00132	0.8924	10543	
MANGANESE	50	DISSOLVED-SOLID	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-SOLID	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	11179	779.99545	4546.0885	8719569	50	160000	45639	642.85223	3429.8776	29339133	3	322000	0.04431	0.0036	4304	*
MANGANESE	50	DISSOLVED-SOLID	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	12806	766.17949	4281.1803	9811695	50	151000	45639	642.85223	3429.8776	29339133	3	322000	0.06583	0.0001	8297	*
MANGANESE	50	HARDNESS	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
MANGANESE	50	HARDNESS	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	11179	779.99545	4546.0885	8719569	50	160000	58733	243.24843	454.78754	14286710	1	17000	0.18866	0.0001	9674	*
MANGANESE	50	HARDNESS	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	12806	766.17949	4281.1803	9811695	50	151000	58733	243.24843	454.78754	14286710	1	17000	0.24867	0.0001	12078	*
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	11179	779.99545	4546.0885	8719569	50	160000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	11179	779.99545	4546.0885	8719569	50	160000	16528	3675.8675	37212	60754738	10	2800000	0.24022	0.0001	11102	*
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	11179	779.99545	4546.0885	8719569	50	160000	43140	5389.2633	68858	232492818	0.1	2750000	0.23187	0.0001	9232	*
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	11179	779.99545	4546.0885	8719569	50	160000	160	49223	258519	7875716	0.02	2440000	0.0521	0.5308	147	
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	12806	766.17949	4281.1803	9811695	50	151000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	12806	766.17949	4281.1803	9811695	50	151000	16528	3675.8675	37212	60754738	10	2800000	0.21409	0.0001	5497	*
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	12806	766.17949	4281.1803	9811695	50	151000	43140	5389.2633	68858	232492818	0.1	2750000	0.16894	0.0001	12687	*
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	12806	766.17949	4281.1803	9811695	50	151000	160	49223	258519	7875716	0.02	2440000	0.05337	0.5109	154	
MANGANESE	50	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.13636	0.79192	764.72333	0.1	50	#N/A	#N/A	0	
MANGANESE	50	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.11845	0.36208	1310.95512	0.04	28.33333	#N/A	#N/A	0	
MANGANESE	50	MERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	11179	779.99545	4546.0885	8719569	50	160000	5608	0.13636	0.79192	764.72333	0.1	50	-0.01426	0.7071	697	
MANGANESE	50	MERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	11179	779.99545	4546.0885	8719569	50	160000	11068	0.11845	0.36208	1310.95512	0.04	28.33333	0.01683	0.1785	6393	
MANGANESE	50	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	12806	766.17949	4281.1803	9811695	50	151000	5608	0.13636	0.79192	764.72333	0.1	50	-0.00871	0.7423	1428	
MANGANESE	50	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	12806	766.17949	4281.1803	9811695	50	151000	11068	0.11845	0.36208	1310.95512	0.04	28.33333	0.00985	0.5853	3072	
MANGANESE	50	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.16274	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
MANGANESE	50	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.18487	47.75201	234403	1	2400	#N/A	#N/A	0	
MANGANESE	50	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	11179	779.99545	4546.0885	8719569	50	160000	19215	76.16274	672.33574	1463467	0.5	17000	0.73179	0.0001	7016	*
MANGANESE	50	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	11179	779.99545	4546.0885	8719569	50	160000	12890	18.18487	47.75201	234403	1	2400	0.75091	0.0001	8232	*
MANGANESE	50	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	12806	766.17949	4281.1803	9811695	50	151000	19215	76.16274	672.33574	1463467	0.5	17000	0.21343	0.0001	6338	*
MANGANESE	50	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	12806	766.17949	4281.1803	9811695	50	151000	12890	18.18487	47.75201	234403	1	2400	0.75304	0.0001	3931	*
MANGANESE	50	NITRATE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.9465	64334	0.001	1800	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	ANTIMONY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	12806	766.17949	4281.1803	9811695	50	151000	3697	8.68269	216.40147	32100	0.2	12000	0.08975	0.0028	1110	*
MANGANESE	50	ANTIMONY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	12806	766.17949	4281.1803	9811695	50	151000	969	27.1591	88.38988	26317	1	350	-0.29696	0.004	92	*
MANGANESE	50	ARSENIC	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.29393	493.01898	190202	1	32000	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.13815	50.54144	73243	1	3100	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	11179	779.99545	4546.0885	8719569	50	160000	10397	18.29393	493.01898	190202	1	32000	-0.08861	0.0002	1716	*
MANGANESE	50	ARSENIC	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	11179	779.99545	4546.0885	8719569	50	160000	9000	8.13815	50.54144	73243	1	3100	0.11313	0.0001	4286	*
MANGANESE	50	ARSENIC	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	12806	766.17949	4281.1803	9811695	50	151000	10397	18.29393	493.01898	190202	1	32000	0.01677	0.3569	3021	
MANGANESE	50	ARSENIC	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	12806	766.17949	4281.1803	9811695	50	151000	9000	8.13815	50.54144	73243	1	3100	-0.04012	0.1253	1461	
MANGANESE	50	BARIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.27328	96.97562	689323	5	3000	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	11179	779.99545	4546.0885	8719569	50	160000	19173	53.91325	102.63829	1033679	0.2	12000	0.00055	0.9644	6636	
MANGANESE	50	BARIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	11179	779.99545	4546.0885	8719569	50	160000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	11179	779.99545	4546.0885	8719569	50	160000	7990	86.27328	96.97562	689323	5	3000	0.15759	0.0001	6197	*
MANGANESE	50	BARIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	12806	766.17949	4281.1803	9811695	50	151000	19173	53.91325	102.63829	1033679	0.2	12000	0.04364	0.0006	6120	*
MANGANESE	50	BARIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	12806	766.17949	4281.1803	9811695	50	151000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	12806	766.17949	4281.1803	9811695	50	151000	7990	86.27328	96.97562	689323	5	3000	-0.0422	0.0156	3285	*
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	11179	779.99545	4546.0885	8719569	50	160000	13507	4.19948	113.72045	56722	0.05	12000	0.35688	0.0001	6075	*
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	11179	779.99545	4546.0885	8719569	50	160000	9762	3.45088	8.24248	33687	0.5	710	0.29653	0.0001	6447	*
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	12806	766.17949	4281.1803	9811695	50	151000	13507	4.19948	113.72045	56722	0.05	12000	0.0779	0.0001	5159	*
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	12806	766.17949	4281.1803	9811695	50	151000	9762	3.45088	8.24248	33687	0.5	710	0.49652	0.0001	3254	*
MANGANESE	50	CADMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.52595	98.23256	91112	0.01	12000	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.25427	3.17999	36179	1	140	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	11179	779.99545	4546.0885	8719569	50	160000	20131	4.52595	98.23256	91112	0.01	12000	0.28297	0.0001	7965	*
MANGANESE	50	CADMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	11179	779.99545	4546.0885	8719569	50	160000	16049	2.25427	3.17999	36179	1	140	0.40058	0.0001	9017	*
MANGANESE	50	CADMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	12806	766.17949	4281.1803	9811695	50	151000	20131	4.52595	98.23256	91112	0.01	12000	0.0851	0.0001	8342	*
MANGANESE	50	CADMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	12806	766.17949	4281.1803	9811695	50	151000	16049	2.25427	3.17999	36179	1	140	0.40002	0.0001	4440	*
MANGANESE	50	CHROMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.32685	100.60661	130587	0.01	12000	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.17045	1.48425	1030	1	20	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.94031	14.89235	85731	1	765	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	11179	779.99545	4546.0885	8719569	50	160000	17823	7.32685	100.60661	130587	0.01	12000	0.08154	0.0001	7192	*
MANGANESE	50	CHROMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	11179	779.99545	4546.0885	8719569	50	160000	880	1.17045	1.48425	1030	1	20	0.03638	0.3848	573	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	11179	779.99545	4546.0885	8719569	50	160000	14432	5.94031	14.89235	85731	1	765	0.15684	0.0001	8611	*
MANGANESE	50	CHROMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	12806	766.17949	4281.1803	9811695	50	151000	17823	7.32685	100.60661	130587	0.01	12000	0.07596	0.0001	5937	*
MANGANESE	50	CHROMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	12806	766.17949	4281.1803	9811695	50	151000	880	1.17045	1.48425	1030	1	20	0.02363	0.7515	182	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	12806	766.17949	4281.1803	9811695	50	151000	14432	5.94031	14.89235	85731	1	765	0.07607	0.0001	4047	*
MANGANESE	50	CONDUCTANCE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0803	126459043	1	2400000	#N/A	#N/A	0	
MANGANESE	50	CONDUCTANCE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	11179	779.99545	4546.0885	8719569	50	160000	151404	835.24242	7585.0803	126459043	1	2400000	0.07322	0.0001	10789	*
MANGANESE	[illegible]	CONDUCTANCE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	12806	766.17949	4281.1803	9811695	50	151000	151404	835.24242	7585.0803	126459043	1	2400000	0.08140	0.0001	12371	*
MANGANESE	[illegible]	[illegible]ANIDE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	[illegible]	[illegible]/A	#N/A	#N/A	#N/A	#N/A	4413	0.02672	0.71346	117.92867	0.001	42	[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	0	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	42074	243.3273	2387.0571	10237753	0.01	151000	5608	0.13636	0.79192	764.72333	0.1	50	-0.00436	0.7641	4740	
MANGANESE	0	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	42074	243.3273	2387.0571	10237753	0.01	151000	11068	0.11845	0.36208	1310.95512	0.04	28.33333	-0.00292	0.8079	6954	
MANGANESE	0	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	7	1.71429	0.48795	12	1	2	19215	76.16274	672.33574	1463467	0.5	17000	#N/A	#N/A	7	
MANGANESE	0	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	7	1.71429	0.48795	12	1	2	12890	18.18487	47.75201	234403	1	2400	#N/A	#N/A	0	
MANGANESE	0	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	15168	581.52304	3916.8679	8820541	1	160000	19215	76.16274	672.33574	1463467	0.5	17000	0.72666	0.0001	8810	*
MANGANESE	0	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	15168	581.52304	3916.8679	8820541	1	160000	12890	18.18487	47.75201	234403	1	2400	0.73509	0.0001	10487	*
MANGANESE	0	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	42074	243.3273	2387.0571	10237753	0.01	151000	19215	76.16274	672.33574	1463467	0.5	17000	0.23102	0.0001	18827	*
MANGANESE	0	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	42074	243.3273	2387.0571	10237753	0.01	151000	12890	18.18487	47.75201	234403	1	2400	0.70954	0.0001	8909	*
MANGANESE	0	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	7	1.71429	0.48795	12	1	2	49228	0.03417	0.17881	1682.36412	0.001	7.1	#N/A	#N/A	0	
MANGANESE	0	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	7	1.71429	0.48795	12	1	2	10597	0.02285	0.1154	242.17912	0.001	10.12167	#N/A	#N/A	0	
MANGANESE	0	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	15168	581.52304	3916.8679	8820541	1	160000	49228	0.03417	0.17881	1682.36412	0.001	7.1	-0.00289	0.85	4288	
MANGANESE	0	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	15168	581.52304	3916.8679	8820541	1	160000	10597	0.02285	0.1154	242.17912	0.001	10.12167	-0.00064	0.9775	1967	
MANGANESE	0	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	42074	243.3273	2387.0571	10237753	0.01	151000	49228	0.03417	0.17881	1682.36412	0.001	7.1	0.00325	0.584	28370	
MANGANESE	0	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	42074	243.3273	2387.0571	10237753	0.01	151000	10597	0.02285	0.1154	242.17912	0.001	10.12167	-0.00368	0.8593	2094	
MANGANESE	0	PH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7	1.71429	0.48795	12	1	2	99613	7.56868	0.84556	753938	0.1	14	0.02399	0.9593	7	
MANGANESE	0	PH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	15168	581.52304	3916.8679	8820541	1	160000	99613	7.56868	0.84556	753938	0.1	14	-0.30484	0.0001	14842	*
MANGANESE	0	PH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	42074	243.3273	2387.0571	10237753	0.01	151000	99613	7.56868	0.84556	753938	0.1	14	-0.25193	0.0001	40992	*
MANGANESE	0	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	7	1.71429	0.48795	12	1	2	15132	5.7398	49.01696	86855	1	3000	#N/A	#N/A	7	
MANGANESE	0	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	7	1.71429	0.48795	12	1	2	7729	6.10878	70.61839	47215	1	5800	#N/A	#N/A	0	
MANGANESE	0	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	15168	581.52304	3916.8679	8820541	1	160000	15132	5.7398	49.01696	86855	1	3000	-0.0369	0.0905	2105	
MANGANESE	0	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	15168	581.52304	3916.8679	8820541	1	160000	7729	6.10878	70.61839	47215	1	5800	-0.00768	0.5942	4816	
MANGANESE	0	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	42074	243.3273	2387.0571	10237753	0.01	151000	15132	5.7398	49.01696	86855	1	3000	0.00905	0.3168	12247	
MANGANESE	0	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	42074	243.3273	2387.0571	10237753	0.01	151000	7729	6.10878	70.61839	47215	1	5800	-0.02055	0.233	3368	
MANGANESE	0	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7	1.71429	0.48795	12	1	2	352	30.26957	23.93811	10655	0.1	50	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7	1.71429	0.48795	12	1	2	1005	21.5597	50.9125	21668	1	500	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	15168	581.52304	3916.8679	8820541	1	160000	352	30.26957	23.93811	10655	0.1	50	-0.03336	0.5909	262	
MANGANESE	0	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	15168	581.52304	3916.8679	8820541	1	160000	1005	21.5597	50.9125	21668	1	500	-0.15607	0.0098	273	*
MANGANESE	0	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	42074	243.3273	2387.0571	10237753	0.01	151000	352	30.26957	23.93811	10655	0.1	50	-0.00878	0.8769	314	
MANGANESE	0	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	42074	243.3273	2387.0571	10237753	0.01	151000	1005	21.5597	50.9125	21668	1	500	0.08601	0.2167	208	
MANGANESE	0	TURBIDITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	7	1.71429	0.48795	12	1	2	34709	38.37966	405.66107	1332120	0.1	36500	0.03566	0.9465	6	
MANGANESE	0	TURBIDITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	15168	581.52304	3916.8679	8820541	1	160000	34709	38.37966	405.66107	1332120	0.1	36500	0.07994	0.0001	8895	*
MANGANESE	0	TURBIDITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	42074	243.3273	2387.0571	10237753	0.01	151000	34709	38.37966	405.66107	1332120	0.1	36500	-0.00373	0.6371	16006	
MANGANESE	0	WELL-DEPTH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	7	1.71429	0.48795	12	1	2	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MANGANESE	0	WELL-DEPTH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	15168	581.52304	3916.8679	8820541	1	160000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MANGANESE	0	WELL-DEPTH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	42074	243.3273	2387.0571	10237753	0.01	151000	581	398.67981	390.97008	231633	3	1980	-0.52348	0.183	8	
MANGANESE	50	ALKALINITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.88874	1184710	0.9	1800	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	11179	779.99545	4546.0885	8719569	50	160000	8351	141.86443	79.88874	1184710	0.9	1800	-0.01021	0.9075	132	
MANGANESE	50	ALKALINITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	12806	766.17949	4281.1803	9811695	50	151000	8351	141.86443	79.88874	1184710	0.9	1800	-0.05558	0.0773	1011	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.68269	216.40147	32100	0.2	12000	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.1591	88.38988	26317	1	350	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	11179	779.99545	4546.0885	8719569	50	160000	3697	8.68269	216.40147	32100	0.2	12000	0.07126	0.1094	506	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	11179	779.99545	4546.0885	8719569	50	160000	969	27.1591	88.38988	26317	1	350	-0.0859	0.1194	330	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	922	247078	402901	227805602	2500	2750000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	922	247078	402901	227805602	2500	2750000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	1	
IRON	2500	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	62	126080	405462	7816990	2500	2440000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	62	126080	405462	7816990	2500	2440000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
IRON	2500	TURBIDITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
IRON	2500	TURBIDITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	2809	18213	88848	51161119	2500	2800000	34709	38.379662	405.66108	1332120	0.1	36500	0.27799	0.0001	1567	*
IRON	2500	TURBIDITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	922	247078	402901	227805602	2500	2750000	34709	38.379662	405.66108	1332120	0.1	36500	-0.05777	0.6695	57	
IRON	2500	TURBIDITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	62	126080	405462	7816990	2500	2440000	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
IRON	2500	URANIUM-235	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
IRON	2500	URANIUM-235	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2809	18213	88848	51161119	2500	2800000	26	0.146154	0.124035	3.8	0.1	0.6	0.47069	0.2864	7	
IRON	2500	URANIUM-235	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	922	247078	402901	227805602	2500	2750000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	1	
IRON	2500	URANIUM-235	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	62	126080	405462	7816990	2500	2440000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
IRON	2500	URANIUM-238	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
IRON	2500	URANIUM-238	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2809	18213	88848	51161119	2500	2800000	26	2.017692	3.112414	52.46	0.1	12	0.31066	0.4977	7	
IRON	2500	URANIUM-238	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	922	247078	402901	227805602	2500	2750000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	1	
IRON	2500	URANIUM-238	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	62	126080	405462	7816990	2500	2440000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	2809	18213	88848	51161119	2500	2800000	581	398.67981	390.97008	231633	3	1980	1	#N/A	2	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	922	247078	402901	227805602	2500	2750000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	62	126080	405462	7816990	2500	2440000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7	1.71429	0.48795	12	1	2	8351	141.86443	79.88874	1184710	0.9	1800	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	15168	581.52304	3916.8679	8820541	1	160000	8351	141.86443	79.88874	1184710	0.9	1800	-0.03176	0.5927	286	
MANGANESE	0	ALKALINITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	42074	243.3273	2387.0571	10237753	0.01	151000	8351	141.86443	79.88874	1184710	0.9	1800	-0.05193	0.0003	4912	*
MANGANESE	0	CONDUCTANCE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7	1.71429	0.48795	12	1	2	151404	835.24242	7585.0803	126459043	1	2400000	-0.34089	0.4543	7	
MANGANESE	0	CONDUCTANCE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	15168	581.52304	3916.8679	8820541	1	160000	151404	835.24242	7585.0803	126459043	1	2400000	0.07116	0.0001	14667	*
MANGANESE	0	CONDUCTANCE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	42074	243.3273	2387.0571	10237753	0.01	151000	151404	835.24242	7585.0803	126459043	1	2400000	0.08479	0.0001	40872	*
MANGANESE	0	DEPTH-BELOW-LAN	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7	1.71429	0.48795	12	1	2	178	43.10719	64.53214	7673.08	0.01	544	#N/A	#N/A	0	
MANGANESE	0	DEPTH-BELOW-LAN	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	15168	581.52304	3916.8679	8820541	1	160000	178	43.10719	64.53214	7673.08	0.01	544	0.88913	0.1109	4	
MANGANESE	0	DEPTH-BELOW-LAN	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	42074	243.3273	2387.0571	10237753	0.01	151000	178	43.10719	64.53214	7673.08	0.01	544	0.52272	0.099	11	
MANGANESE	0	DISSOLVED-OXYGE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7	1.71429	0.48795	12	1	2	83235	542.51758	153897	45156451	0.1	44400000	0.67912	0.0934	7	
MANGANESE	0	DISSOLVED-OXYGE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	15168	581.52304	3916.8679	8820541	1	160000	83235	542.51758	153897	45156451	0.1	44400000	-0.00089	0.9183	13255	
MANGANESE	0	DISSOLVED-OXYGE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	42074	243.3273	2387.0571	10237753	0.01	151000	83235	542.51758	153897	45156451	0.1	44400000	-0.00019	0.9709	36784	
MANGANESE	0	DISSOLVED-SOLID	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7	1.71429	0.48795	12	1	2	45639	642.85223	3429.8776	29339133	3	322000	-0.3476	0.4446	7	
MANGANESE	0	DISSOLVED-SOLID	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	15168	581.52304	3916.8679	8820541	1	160000	45639	642.85223	3429.8776	29339133	3	322000	0.04847	0.0001	6543	*
MANGANESE	0	DISSOLVED-SOLID	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	42074	243.3273	2387.0571	10237753	0.01	151000	45639	642.85223	3429.8776	29339133	3	322000	0.06859	0.0001	32479	*
MANGANESE	0	HARDNESS	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	7	1.71429	0.48795	12	1	2	58733	243.24843	454.78754	14286710	1	17000	-0.23413	0.6133	7	
MANGANESE	0	HARDNESS	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	15168	581.52304	3916.8679	8820541	1	160000	58733	243.24843	454.78754	14286710	1	17000	0.17567	0.0001	13084	*
MANGANESE	0	HARDNESS	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	42074	243.3273	2387.0571	10237753	0.01	151000	58733	243.24843	454.78754	14286710	1	17000	0.2071	0.0001	40534	*
MANGANESE	0	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	7	1.71429	0.48795	12	1	2	5608	0.13636	0.79192	764.72333	0.1	50	#N/A	#N/A	7	
MANGANESE	0	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	7	1.71429	0.48795	12	1	2	11068	0.11845	0.36208	1310.95512	0.04	28.33333	#N/A	#N/A	0	
MANGANESE	[illegible]	[illegible]ERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	15168	[illegible]52304	3916.8679	8820541	1	160000	5608	0.13636	0.79192	764.72333	0.1	50	-0.00[illegible]	0.7743	1113	
MANGANESE	[illegible]	[illegible]RCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	151[illegible]	[illegible]2304	3916.8679	8820541	1	160000	11068	0.11845	0.36208	1310.95512	0.04	28.33333	[illegible]	0.314	8380	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	62	126080	405462	7816990	2500	2440000	49228	0.034175	0.178812	1682.38412	0.001	7.1	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	62	126080	405462	7816990	2500	2440000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
IRON	2500	PH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
IRON	2500	PH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2809	18213	88848	51161119	2500	2800000	99613	7.568676	0.845555	753938	0.1	14	-0.25864	0.0001	2723	*
IRON	2500	PH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	922	247078	402901	227805602	2500	2750000	99613	7.568676	0.845555	753938	0.1	14	-0.45885	0.0001	900	*
IRON	2500	PH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	62	126080	405462	7816990	2500	2440000	99613	7.568676	0.845555	753938	0.1	14	-0.22953	0.0727	62	
IRON	2500	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2809	18213	88848	51161119	2500	2800000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2809	18213	88848	51161119	2500	2800000	624	0.110433	0.221947	68.91	0.02	3	-0.18016	0.5961	11	
IRON	2500	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2809	18213	88848	51161119	2500	2800000	578	0.026644	0.038336	15.4	0.007	0.48	-0.21168	0.5846	9	
IRON	2500	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	922	247078	402901	227805602	2500	2750000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	922	247078	402901	227805602	2500	2750000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	922	247078	402901	227805602	2500	2750000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	62	126080	405462	7816990	2500	2440000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	62	126080	405462	7816990	2500	2440000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	62	126080	405462	7816990	2500	2440000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	2809	18213	88848	51161119	2500	2800000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2809	18213	88848	51161119	2500	2800000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	922	247078	402901	227805602	2500	2750000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	922	247078	402901	227805602	2500	2750000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	62	126080	405462	7816990	2500	2440000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	62	126080	405462	7816990	2500	2440000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2809	18213	88848	51161119	2500	2800000	15132	5.739795	49.016961	86855	1	3000	-0.05399	0.3003	370	
IRON	2500	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2809	18213	88848	51161119	2500	2800000	7729	6.108779	70.618386	47215	1	5800	0.03777	0.2509	926	
IRON	2500	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	922	247078	402901	227805602	2500	2750000	15132	5.739795	49.016961	86855	1	3000	0.04025	0.5307	245	
IRON	2500	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	922	247078	402901	227805602	2500	2750000	7729	6.108779	70.618386	47215	1	5800	-0.21	0.2408	33	
IRON	2500	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	62	126080	405462	7816990	2500	2440000	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	62	126080	405462	7816990	2500	2440000	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
IRON	2500	SULFATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
IRON	2500	SULFATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2809	18213	88848	51161119	2500	2800000	61449	203.15791	972.75089	12483850	0.01	64000	0.86454	0.0001	2119	*
IRON	2500	SULFATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	922	247078	402901	227805602	2500	2750000	61449	203.15791	972.75089	12483850	0.01	64000	0.7121	0.0001	918	*
IRON	2500	SULFATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	62	126080	405462	7816990	2500	2440000	61449	203.15791	972.75089	12483850	0.01	64000	0.94313	0.0001	62	*
IRON	2500	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2809	18213	88848	51161119	2500	2800000	352	30.269574	23.93811	10655	0.1	50	-0.40023	0.0257	31	*
IRON	2500	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2809	18213	88848	51161119	2500	2800000	1005	21.559701	50.912504	21668	1	500	-0.19106	0.2573	37	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	HARDNESS	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
IRON	2500	HARDNESS	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2809	18213	88848	51161119	2500	2800000	58733	243.24843	454.78754	14286710	1	17000	0.09151	0.0001	2299	*
IRON	2500	HARDNESS	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	922	247078	402901	227805602	2500	2750000	58733	243.24843	454.78754	14286710	1	17000	0.74821	0.0001	691	*
IRON	2500	HARDNESS	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	62	126080	405462	7816990	2500	2440000	58733	243.24843	454.78754	14286710	1	17000	0.18832	0.7616	5	
IRON	2500	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2809	18213	88848	51161119	2500	2800000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2809	18213	88848	51161119	2500	2800000	15168	581.52304	3916.8679	8820541	1	160000	0.26922	0.0001	2677	*
IRON	2500	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2809	18213	88848	51161119	2500	2800000	42074	243.3273	2387.0571	10237753	0.01	151000	0.23994	0.0001	2300	*
IRON	2500	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	922	247078	402901	227805602	2500	2750000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	922	247078	402901	227805602	2500	2750000	15168	581.52304	3916.8679	8820541	1	160000	0.18875	0.0006	325	*
IRON	2500	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	922	247078	402901	227805602	2500	2750000	42074	243.3273	2387.0571	10237753	0.01	151000	0.05262	0.1125	911	
IRON	2500	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	62	126080	405462	7816990	2500	2440000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	62	126080	405462	7816990	2500	2440000	15168	581.52304	3916.8679	8820541	1	160000	-0.0214	0.8745	57	
IRON	2500	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	62	126080	405462	7816990	2500	2440000	42074	243.3273	2387.0571	10237753	0.01	151000	-0.00567	0.9651	62	
IRON	2500	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	*
IRON	2500	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2809	18213	88848	51161119	2500	2800000	5608	0.136363	0.791919	764.723333	0.1	50	-0.00939	0.8943	203	
IRON	2500	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2809	18213	88848	51161119	2500	2800000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.17418	0.0001	1676	*
IRON	2500	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	922	247078	402901	227805602	2500	2750000	5608	0.136363	0.791919	764.723333	0.1	50	0.28833	0.3899	11	
IRON	2500	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	922	247078	402901	227805602	2500	2750000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.16368	0.228	56	
IRON	2500	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	62	126080	405462	7816990	2500	2440000	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	62	126080	405462	7816990	2500	2440000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2809	18213	88848	51161119	2500	2800000	19215	76.162741	672.33574	1463467	0.5	17000	0.76779	0.0001	1724	*
IRON	2500	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2809	18213	88848	51161119	2500	2800000	12890	18.184867	47.752014	234403	1	2400	0.83105	0.0001	2032	*
IRON	2500	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	922	247078	402901	227805602	2500	2750000	19215	76.162741	672.33574	1463467	0.5	17000	0.77405	0.0001	561	*
IRON	2500	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	922	247078	402901	227805602	2500	2750000	12890	18.184867	47.752014	234403	1	2400	0.9883	0.0001	73	*
IRON	2500	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	62	126080	405462	7816990	2500	2440000	19215	76.162741	672.33574	1463467	0.5	17000	0.67299	0.2131	5	
IRON	2500	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	62	126080	405462	7816990	2500	2440000	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
IRON	2500	NITRATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
IRON	2500	NITRATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2809	18213	88848	51161119	2500	2800000	27516	2.33807	13.946496	64334	0.001	1800	-0.10273	0.0347	423	*
IRON	2500	NITRATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	922	247078	402901	227805602	2500	2750000	27516	2.33807	13.946496	64334	0.001	1800	-0.22607	0.2569	27	
IRON	2500	NITRATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	62	126080	405462	7816990	2500	2440000	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2809	18213	88848	51161119	2500	2800000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.01133	0.7825	596	
IRON	2500	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2809	18213	88848	51161119	2500	2800000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.04216	0.5774	177	
IRON	[illegible]	[illegible]TRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	92[illegible]	[illegible]47078	402901	227805602	2500	2750000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.07[illegible]	0.4562	113	
IRON	[illegible]	[illegible]TRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	[illegible]	[illegible]47078	402901	227805602	2500	2750000	10597	0.022854	0.115399	242.179118	0.001	10.121667	[illegible]	[illegible]N/A	1	

Appendix E-threshold. National Correlation analysis. Correlation [redacted]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2809	18213	88848	51161119	2500	2800000	20131	4.525946	98.232558	91112	0.01	12000	0.65892	0.0001	1929	*
IRON	2500	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2809	18213	88848	51161119	2500	2800000	16049	2.254265	3.179993	36179	1	140	0.65444	0.0001	2220	*
IRON	2500	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	922	247078	402901	227805602	2500	2750000	20131	4.525946	98.232558	91112	0.01	12000	0.03718	0.3846	549	
IRON	2500	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	922	247078	402901	227805602	2500	2750000	16049	2.254265	3.179993	36179	1	140	0.93209	0.0001	95	*
IRON	2500	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	62	126080	405462	7816990	2500	2440000	20131	4.525946	98.232558	91112	0.01	12000	0.18544	0.7653	5	
IRON	2500	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	62	126080	405462	7816990	2500	2440000	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2809	18213	88848	51161119	2500	2800000	17823	7.326853	100.60661	130587	0.01	12000	0.29537	0.0001	1767	*
IRON	2500	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2809	18213	88848	51161119	2500	2800000	880	1.170455	1.484249	1030	1	20	-0.02209	0.7743	171	
IRON	2500	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2809	18213	88848	51161119	2500	2800000	14432	5.940315	14.892349	85731	1	765	0.60496	0.0001	2138	*
IRON	2500	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	922	247078	402901	227805602	2500	2750000	17823	7.326853	100.60661	130587	0.01	12000	0.10452	0.0131	563	*
IRON	2500	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	922	247078	402901	227805602	2500	2750000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	2	
IRON	2500	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	922	247078	402901	227805602	2500	2750000	14432	5.940315	14.892349	85731	1	765	0.65037	0.0001	75	*
IRON	2500	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	62	126080	405462	7816990	2500	2440000	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	5	
IRON	2500	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	62	126080	405462	7816990	2500	2440000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	62	126080	405462	7816990	2500	2440000	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2809	18213	88848	51161119	2500	2800000	151404	835.24242	7585.0802	126459043	1	2400000	0.28186	0.0001	2738	*
IRON	2500	CONDUCTANCE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	922	247078	402901	227805602	2500	2750000	151404	835.24242	7585.0802	126459043	1	2400000	0.23839	0.0001	908	*
IRON	2500	CONDUCTANCE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	62	126080	405462	7816990	2500	2440000	151404	835.24242	7585.0802	126459043	1	2400000	0.83452	0.0001	62	*
IRON	2500	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2809	18213	88848	51161119	2500	2800000	4413	0.026723	0.713462	117.928667	0.001	42	-0.0082	0.8372	631	
IRON	2500	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2809	18213	88848	51161119	2500	2800000	307	0.052834	0.444387	16.22	0.01	6	-0.11615	0.5267	32	
IRON	2500	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	922	247078	402901	227805602	2500	2750000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	39	
IRON	2500	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	922	247078	402901	227805602	2500	2750000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	62	126080	405462	7816990	2500	2440000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	62	126080	405462	7816990	2500	2440000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2809	18213	88848	51161119	2500	2800000	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	922	247078	402901	227805602	2500	2750000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	62	126080	405462	7816990	2500	2440000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2809	18213	88848	51161119	2500	2800000	83235	542.51758	153897	45156451	0.1	44400000	-0.02521	0.2281	2288	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	922	247078	402901	227805602	2500	2750000	83235	542.51758	153897	45156451	0.1	44400000	-0.22977	0.0005	223	*
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	62	126080	405462	7816990	2500	2440000	83235	542.51758	153897	45156451	0.1	44400000	0.18343	0.7678	5	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2809	18213	88848	51161119	2500	2800000	45639	642.85223	3429.8776	29339133	3	322000	-0.01062	0.7405	975	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	922	247078	402901	227805602	2500	2750000	45639	642.85223	3429.8776	29339133	3	322000	0.46409	0.0001	170	*
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	62	126080	405462	7816990	2500	2440000	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	1	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	ALKALINITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
IRON	2500	ALKALINITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2809	18213	88848	51161119	2500	2800000	8351	141.86443	79.888743	1184710	0.9	1800	0.08806	0.615	35	
IRON	2500	ALKALINITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	922	247078	402901	227805602	2500	2750000	8351	141.86443	79.888743	1184710	0.9	1800	0.8626	0.027	6	*
IRON	2500	ALKALINITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	62	126080	405462	7816990	2500	2440000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2809	18213	88848	51161119	2500	2800000	3697	8.682685	216.40147	32100	0.2	12000	0.00922	0.9317	89	
IRON	2500	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2809	18213	88848	51161119	2500	2800000	969	27.159099	88.389881	26317	1	350	-0.04307	0.6506	113	
IRON	2500	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	922	247078	402901	227805602	2500	2750000	3697	8.682685	216.40147	32100	0.2	12000	0.38704	0.1126	18	
IRON	2500	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	922	247078	402901	227805602	2500	2750000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	1	
IRON	2500	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	62	126080	405462	7816990	2500	2440000	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	5	
IRON	2500	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	62	126080	405462	7816990	2500	2440000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2809	18213	88848	51161119	2500	2800000	10397	18.293928	493.01898	190202	1	32000	0.03188	0.5415	369	
IRON	2500	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2809	18213	88848	51161119	2500	2800000	9000	8.138151	50.541445	73243	1	3100	0.41179	0.0001	1060	*
IRON	2500	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	922	247078	402901	227805602	2500	2750000	10397	18.293928	493.01898	190202	1	32000	-0.04675	0.2959	502	
IRON	2500	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	922	247078	402901	227805602	2500	2750000	9000	8.138151	50.541445	73243	1	3100	-0.28041	0.0928	37	
IRON	2500	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	62	126080	405462	7816990	2500	2440000	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	62	126080	405462	7816990	2500	2440000	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2809	18213	88848	51161119	2500	2800000	19173	53.91325	102.63829	1033679	0.2	12000	-0.10915	0.0001	1599	*
IRON	2500	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2809	18213	88848	51161119	2500	2800000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2809	18213	88848	51161119	2500	2800000	7990	86.273276	96.975617	689323	5	3000	0.39787	0.0001	1568	*
IRON	2500	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	922	247078	402901	227805602	2500	2750000	19173	53.91325	102.63829	1033679	0.2	12000	-0.00031	0.9943	556	
IRON	2500	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	922	247078	402901	227805602	2500	2750000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	922	247078	402901	227805602	2500	2750000	7990	86.273276	96.975617	689323	5	3000	-0.31633	0.0186	55	*
IRON	2500	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	62	126080	405462	7816990	2500	2440000	19173	53.91325	102.63829	1033679	0.2	12000	-0.23665	0.7015	5	
IRON	2500	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	62	126080	405462	7816990	2500	2440000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	62	126080	405462	7816990	2500	2440000	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2809	18213	88848	51161119	2500	2800000	13507	4.19948	113.72045	56722	0.05	12000	0.73222	0.0001	1452	*
IRON	2500	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2809	18213	88848	51161119	2500	2800000	9762	3.45088	8.24248	33687	0.5	710	0.6545	0.0001	1627	*
IRON	2500	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	922	247078	402901	227805602	2500	2750000	13507	4.19948	113.72045	56722	0.05	12000	0.02332	0.5891	539	
IRON	2500	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	922	247078	402901	227805602	2500	2750000	9762	3.45088	8.24248	33687	0.5	710	0.95557	0.0001	55	*
IRON	2500	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	62	126080	405462	7816990	2500	2440000	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	5	
IRON	2500	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	62	126080	405462	7816990	2500	2440000	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
IRON	[illegible]	[illegible]ADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	[illegible]	[illegible]/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232556	91112	0.01	12000	#N[illegible]	#N/A	0	
IRON	[illegible]	[illegible]ADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	[illegible]	[illegible]/A	#N/A	#N/A	#N/A	#N/A	16049	2.254285	3.179993	36179	1	140	#[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	4638	49686	204723	230445849	300	2750000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	2	
IRON	300	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	4638	49686	204723	230445849	300	2750000	102	318.25	498.76308	32462	24	3300	-1	#N/A	2	
IRON	300	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	121	65040	295834	7869890	310	2440000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	121	65040	295834	7869890	310	2440000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	12238	4909.6749	43178	60084602	300	2800000	15132	5.739795	49.016961	86855	1	3000	-0.05595	0.048	1250	*
IRON	300	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	12238	4909.6749	43178	60084602	300	2800000	7729	6.108779	70.618386	47215	1	5800	0.01944	0.237	3704	
IRON	300	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4638	49686	204723	230445849	300	2750000	15132	5.739795	49.016961	86855	1	3000	-0.01266	0.6902	994	
IRON	300	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4638	49686	204723	230445849	300	2750000	7729	6.108779	70.618386	47215	1	5800	-0.03019	0.6354	249	
IRON	300	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	121	65040	295834	7869890	310	2440000	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	2	
IRON	300	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	121	65040	295834	7869890	310	2440000	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
IRON	300	SULFATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
IRON	300	SULFATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	12238	4909.6749	43178	60084602	300	2800000	61449	203.15791	972.75089	12483850	0.01	64000	0.77912	0.0001	9057	*
IRON	300	SULFATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	4638	49686	204723	230445849	300	2750000	61449	203.15791	972.75089	12483850	0.01	64000	0.73737	0.0001	4351	*
IRON	300	SULFATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	121	65040	295834	7869890	310	2440000	61449	203.15791	972.75089	12483850	0.01	64000	0.93787	0.0001	121	*
IRON	300	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	12238	4909.6749	43178	60084602	300	2800000	352	30.269574	23.93811	10655	0.1	50	-0.35341	0.0001	161	*
IRON	300	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	12238	4909.6749	43178	60084602	300	2800000	1005	21.559701	50.912504	21668	1	500	-0.19414	0.0056	202	*
IRON	300	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4638	49686	204723	230445849	300	2750000	352	30.269574	23.93811	10655	0.1	50	0.12742	0.4042	45	
IRON	300	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4638	49686	204723	230445849	300	2750000	1005	21.559701	50.912504	21668	1	500	0.59903	0.401	4	
IRON	300	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	121	65040	295834	7869890	310	2440000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	121	65040	295834	7869890	310	2440000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
IRON	300	TURBIDITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
IRON	300	TURBIDITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	12238	4909.6749	43178	60084602	300	2800000	34709	38.379662	405.66108	1332120	0.1	36500	0.29075	0.0001	7208	*
IRON	300	TURBIDITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	4638	49686	204723	230445849	300	2750000	34709	38.379662	405.66108	1332120	0.1	36500	-0.00154	0.9573	1212	
IRON	300	TURBIDITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	121	65040	295834	7869890	310	2440000	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	1	
IRON	300	URANIUM-235	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
IRON	300	URANIUM-235	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	26	0.146154	0.124035	3.8	0.1	0.6	0.5631	0.0566	12	
IRON	300	URANIUM-235	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4638	49686	204723	230445849	300	2750000	26	0.146154	0.124035	3.8	0.1	0.6	-1	#N/A	2	
IRON	300	URANIUM-235	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	121	65040	295834	7869890	310	2440000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
IRON	300	URANIUM-238	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
IRON	300	URANIUM-238	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	26	2.017692	3.112414	52.46	0.1	12	0.38318	0.2189	12	
IRON	300	URANIUM-238	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4638	49686	204723	230445849	300	2750000	26	2.017692	3.112414	52.46	0.1	12	-1	#N/A	2	
IRON	300	URANIUM-238	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	121	65040	295834	7869890	310	2440000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	12238	4909.6749	43178	60084602	300	2800000	581	398.67981	390.97008	231633	3	1980	1	#N/A	2	
IRON	300	WELL-DEPTH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	4638	49686	204723	230445849	300	2750000	581	398.67981	390.97008	231633	3	1980	-1	#N/A	2	
IRON	300	WELL-DEPTH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	121	65040	295834	7869890	310	2440000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4638	49686	204723	230445849	300	2750000	5608	0.136363	0.791919	764.723333	0.1	50	0.39999	0.0001	170	*
IRON	300	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4638	49686	204723	230445849	300	2750000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.0756	0.1356	391	
IRON	300	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	121	65040	295834	7869890	310	2440000	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	1	
IRON	300	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	121	65040	295834	7869890	310	2440000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	12238	4909.6749	43178	60084602	300	2800000	19215	76.162741	672.33574	1463467	0.5	17000	0.73281	0.0001	7390	*
IRON	300	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	12238	4909.6749	43178	60084602	300	2800000	12890	18.184867	47.752014	234403	1	2400	0.78627	0.0001	9019	*
IRON	300	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4638	49686	204723	230445849	300	2750000	19215	76.162741	672.33574	1463467	0.5	17000	0.82969	0.0001	1684	*
IRON	300	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4638	49686	204723	230445849	300	2750000	12890	18.184867	47.752014	234403	1	2400	0.97993	0.0001	503	*
IRON	300	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	121	65040	295834	7869890	310	2440000	19215	76.162741	672.33574	1463467	0.5	17000	-0.52363	0.2277	7	
IRON	300	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	121	65040	295834	7869890	310	2440000	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
IRON	300	NITRATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
IRON	300	NITRATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	12238	4909.6749	43178	60084602	300	2800000	27516	2.33807	13.946496	64334	0.001	1800	-0.04727	0.0371	1944	*
IRON	300	NITRATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4638	49686	204723	230445849	300	2750000	27516	2.33807	13.946496	64334	0.001	1800	-0.00671	0.8202	1150	
IRON	300	NITRATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	121	65040	295834	7869890	310	2440000	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	12238	4909.6749	43178	60084602	300	2800000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.00671	0.7082	3112	
IRON	300	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	12238	4909.6749	43178	60084602	300	2800000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.04678	0.0969	1260	
IRON	300	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4638	49686	204723	230445849	300	2750000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.0069	0.7144	2816	
IRON	300	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4638	49686	204723	230445849	300	2750000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.01212	0.8565	225	
IRON	300	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	121	65040	295834	7869890	310	2440000	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	2	
IRON	300	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	121	65040	295834	7869890	310	2440000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
IRON	300	PH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
IRON	300	PH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	12238	4909.6749	43178	60084602	300	2800000	99613	7.568676	0.845555	753938	0.1	14	-0.19435	0.0001	11922	*
IRON	300	PH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4638	49686	204723	230445849	300	2750000	99613	7.568676	0.845555	753938	0.1	14	-0.50782	0.0001	4550	*
IRON	300	PH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	121	65040	295834	7869890	310	2440000	99613	7.568676	0.845555	753938	0.1	14	-0.20469	0.0243	121	*
IRON	300	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	624	0.110433	0.221947	68.91	0.02	3	-0.10483	0.6259	24	
IRON	300	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	12238	4909.6749	43178	60084602	300	2800000	578	0.026644	0.038336	15.4	0.007	0.48	0.01155	0.9593	22	
IRON	300	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4638	49686	204723	230445849	300	2750000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4638	49686	204723	230445849	300	2750000	624	0.110433	0.221947	68.91	0.02	3	-0.11204	0.411	56	
IRON	300	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4638	49686	204723	230445849	300	2750000	578	0.026644	0.038336	15.4	0.007	0.48	-0.09442	0.5098	51	
IRON	300	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	121	65040	295834	7869890	310	2440000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	121	65040	295834	7869890	310	2440000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	121	65040	295834	7869890	310	2440000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
IRON	[illegible]	[illegible]ON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	[illegible]	[illegible]	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [redacted]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	CONDUCTANCE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4638	49686	204723	230445849	300	2750000	151404	835.24242	7585.0802	126459043	1	2400000	0.30149	0.0001	4497	*
IRON	300	CONDUCTANCE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	121	65040	295834	7869890	310	2440000	151404	835.24242	7585.0802	126459043	1	2400000	0.60127	0.0001	121	*
IRON	300	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	12238	4909.6749	43178	60084602	300	2800000	4413	0.026723	0.713462	117.928667	0.001	42	-0.00377	0.8552	2347	
IRON	300	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	12238	4909.6749	43178	60084602	300	2800000	307	0.052834	0.444387	16.22	0.01	6	-0.06586	0.5024	106	
IRON	300	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4638	49686	204723	230445849	300	2750000	4413	0.026723	0.713462	117.928667	0.001	42	0.01497	0.8706	121	
IRON	300	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4638	49686	204723	230445849	300	2750000	307	0.052834	0.444387	16.22	0.01	6	0.00316	0.9894	20	
IRON	300	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	121	65040	295834	7869890	310	2440000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	121	65040	295834	7869890	310	2440000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	12238	4909.6749	43178	60084602	300	2800000	178	43.107191	64.532141	7673.08	0.01	544	-0.12724	0.8384	5	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	4638	49686	204723	230445849	300	2750000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	121	65040	295834	7869890	310	2440000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	12238	4909.6749	43178	60084602	300	2800000	83235	542.51758	153897	45156451	0.1	44400000	-0.02255	0.0194	10749	*
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	4638	49686	204723	230445849	300	2750000	83235	542.51758	153897	45156451	0.1	44400000	-0.08608	0.0001	3518	*
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	121	65040	295834	7869890	310	2440000	83235	542.51758	153897	45156451	0.1	44400000	0.15	0.7767	6	
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	12238	4909.6749	43178	60084602	300	2800000	45639	642.85223	3429.8776	29339133	3	322000	0.00149	0.9191	4672	
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4638	49686	204723	230445849	300	2750000	45639	642.85223	3429.8776	29339133	3	322000	0.39856	0.0001	3067	*
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	121	65040	295834	7869890	310	2440000	45639	642.85223	3429.8776	29339133	3	322000	-1	#N/A	2	
IRON	300	HARDNESS	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
IRON	300	HARDNESS	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	12238	4909.6749	43178	60084602	300	2800000	58733	243.24843	454.78754	14286710	1	17000	0.02566	0.0082	10605	*
IRON	300	HARDNESS	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4638	49686	204723	230445849	300	2750000	58733	243.24843	454.78754	14286710	1	17000	0.75347	0.0001	4111	*
IRON	300	HARDNESS	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	121	65040	295834	7869890	310	2440000	58733	243.24843	454.78754	14286710	1	17000	-0.51764	0.2341	7	
IRON	300	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	12238	4909.6749	43178	60084602	300	2800000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	12238	4909.6749	43178	60084602	300	2800000	15168	581.52304	3916.8679	8820541	1	160000	0.26873	0.0001	11369	*
IRON	300	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	12238	4909.6749	43178	60084602	300	2800000	42074	243.3273	2387.0571	10237753	0.01	151000	0.23867	0.0001	9685	*
IRON	300	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4638	49686	204723	230445849	300	2750000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4638	49686	204723	230445849	300	2750000	15168	581.52304	3916.8679	8820541	1	160000	0.24499	0.0001	1242	*
IRON	300	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4638	49686	204723	230445849	300	2750000	42074	243.3273	2387.0571	10237753	0.01	151000	0.18349	0.0001	4550	*
IRON	300	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	121	65040	295834	7869890	310	2440000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	121	65040	295834	7869890	310	2440000	15168	581.52304	3916.8679	8820541	1	160000	0.03837	0.6826	116	
IRON	300	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	121	65040	295834	7869890	310	2440000	42074	243.3273	2387.0571	10237753	0.01	151000	0.04097	0.6555	121	
IRON	300	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	12238	4909.6749	43178	60084602	300	2800000	5608	0.136363	0.791919	764.723333	0.1	50	-0.00253	0.9515	581	
IRON	300	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	12238	4909.6749	43178	60084602	300	2800000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.08153	0.0001	6871	* *

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	.N/A	.N/A	.N/A	.N/A	.N/A	19173	53.91325	102.63829	1033679	0.2	12000	.N/A	.N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	.N/A	.N/A	.N/A	.N/A	.N/A	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	.N/A	.N/A	.N/A	.N/A	.N/A	7990	86.273276	96.975617	689323	5	3000	.N/A	.N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	12238	4909.6749	43178	60084602	300	2800000	19173	53.91325	102.63829	1033679	0.2	12000	-0.0541	0.0001	6809	*
IRON	300	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	12238	4909.6749	43178	60084602	300	2800000	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	12238	4909.6749	43178	60084602	300	2800000	7990	86.273276	96.975617	689323	5	3000	0.41137	0.0001	6554	*
IRON	300	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4638	49686	204723	230445849	300	2750000	19173	53.91325	102.63829	1033679	0.2	12000	0.02052	0.4032	1662	
IRON	300	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4638	49686	204723	230445849	300	2750000	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4638	49686	204723	230445849	300	2750000	7990	86.273276	96.975617	689323	5	3000	-0.09055	0.0955	340	
IRON	300	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	121	65040	295834	7869890	310	2440000	19173	53.91325	102.63829	1033679	0.2	12000	-0.05352	0.9093	7	
IRON	300	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	121	65040	295834	7869890	310	2440000	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	121	65040	295834	7869890	310	2440000	7990	86.273276	96.975617	689323	5	3000	.N/A	.N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	.N/A	.N/A	.N/A	.N/A	.N/A	13507	4.19948	113.72045	56722	0.05	12000	.N/A	.N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	.N/A	.N/A	.N/A	.N/A	.N/A	9762	3.45088	8.24248	33687	0.5	710	.N/A	.N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	12238	4909.6749	43178	60084602	300	2800000	13507	4.19948	113.72045	56722	0.05	12000	0.48631	0.0001	6353	*
IRON	300	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	12238	4909.6749	43178	60084602	300	2800000	9762	3.45088	8.24248	33687	0.5	710	0.33713	0.0001	7020	*
IRON	300	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4638	49686	204723	230445849	300	2750000	13507	4.19948	113.72045	56722	0.05	12000	0.0559	0.065	1091	
IRON	300	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4638	49686	204723	230445849	300	2750000	9762	3.45088	8.24248	33687	0.5	710	0.80924	0.0001	345	*
IRON	300	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	121	65040	295834	7869890	310	2440000	13507	4.19948	113.72045	56722	0.05	12000	-0.39063	0.3863	7	
IRON	300	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	121	65040	295834	7869890	310	2440000	9762	3.45088	8.24248	33687	0.5	710	.N/A	.N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	.N/A	.N/A	.N/A	.N/A	.N/A	20131	4.525946	98.232558	91112	0.01	12000	.N/A	.N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	.N/A	.N/A	.N/A	.N/A	.N/A	16049	2.254265	3.179993	36179	1	140	.N/A	.N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	12238	4909.6749	43178	60084602	300	2800000	20131	4.525946	98.232558	91112	0.01	12000	0.50553	0.0001	8223	*
IRON	300	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	12238	4909.6749	43178	60084602	300	2800000	16049	2.254265	3.179993	36179	1	140	0.58558	0.0001	9690	*
IRON	300	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4638	49686	204723	230445849	300	2750000	20131	4.525946	98.232558	91112	0.01	12000	0.07654	0.005	1344	*
IRON	300	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4638	49686	204723	230445849	300	2750000	16049	2.254265	3.179993	36179	1	140	0.88642	0.0001	613	*
IRON	300	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	121	65040	295834	7869890	310	2440000	20131	4.525946	98.232558	91112	0.01	12000	0.35819	0.4302	7	
IRON	300	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	121	65040	295834	7869890	310	2440000	16049	2.254265	3.179993	36179	1	140	.N/A	.N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	.N/A	.N/A	.N/A	.N/A	.N/A	17823	7.326853	100.60661	130587	0.01	12000	.N/A	.N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	.N/A	.N/A	.N/A	.N/A	.N/A	880	1.170455	1.484249	1030	1	20	.N/A	.N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	.N/A	.N/A	.N/A	.N/A	.N/A	14432	5.940315	14.892349	85731	1	765	.N/A	.N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	12238	4909.6749	43178	60084602	300	2800000	17823	7.326853	100.60661	130587	0.01	12000	0.16996	0.0001	7518	*
IRON	300	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	12238	4909.6749	43178	60084602	300	2800000	880	1.170455	1.484249	1030	1	20	0.04522	0.2707	595	
IRON	300	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	12238	4909.6749	43178	60084602	300	2800000	14432	5.940315	14.892349	85731	1	765	0.41497	0.0001	9357	*
IRON	300	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4638	49686	204723	230445849	300	2750000	17823	7.326853	100.60661	130587	0.01	12000	0.14088	0.0001	1267	*
IRON	300	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4638	49686	204723	230445849	300	2750000	880	1.170455	1.484249	1030	1	20	.N/A	.N/A	10	
IRON	300	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4638	49686	204723	230445849	300	2750000	14432	5.940315	14.892349	85731	1	765	0.31643	0.0001	519	*
IRON	300	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	121	65040	295834	7869890	310	2440000	17823	7.326853	100.60661	130587	0.01	12000	-0.47084	0.2862	7	
IRON	300	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	121	65040	295834	7869890	310	2440000	880	1.170455	1.484249	1030	1	20	.N/A	.N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	121	65040	295834	7869890	310	2440000	14432	5.940315	14.892349	85731	1	765	.N/A	.N/A	0	
IRON	300	CONDUCTANCE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	.N/A	.N/A	.N/A	.N/A	.N/A	151404	835.24242	7585.0802	126459043	1	2400000	.N/A	.N/A	0	
IRON	[illegible]	[illegible]DUCTANCE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1223[illegible]	[illegible]49	43178	60084602	300	2800000	151404	835.24242	7585.0802	126459043	1	2400000	0.1[illegible]	[illegible]0001	11858	*

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	16528	3675.8675	37212	60754738	10	2800000	15132	5.739795	49.016961	86855	1	3000	-0.03869	0.0762	2101	
IRON	0	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	16528	3675.8675	37212	60754738	10	2800000	7729	6.108779	70.618386	47215	1	5800	0.02633	0.0603	5090	
IRON	0	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	43140	5389.2633	68858	232492818	0.1	2750000	15132	5.739795	49.016961	86855	1	3000	0.00397	0.66	12266	
IRON	0	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	43140	5389.2633	68858	232492818	0.1	2750000	7729	6.108779	70.618386	47215	1	5800	0.02838	0.0883	3609	
IRON	0	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	160	49223	258519	7875716	0.02	2440000	15132	5.739795	49.016961	86855	1	3000	-0.27891	0.5035	8	
IRON	0	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	160	49223	258519	7875716	0.02	2440000	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	16528	3675.8675	37212	60754738	10	2800000	352	30.269574	23.93811	10655	0.1	50	-0.33602	0.0001	263	*
IRON	0	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	16528	3675.8675	37212	60754738	10	2800000	1005	21.559701	50.912504	21668	1	500	-0.10387	0.0867	273	
IRON	0	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	43140	5389.2633	68858	232492818	0.1	2750000	352	30.269574	23.93811	10655	0.1	50	0.37585	0.0001	314	*
IRON	0	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	43140	5389.2633	68858	232492818	0.1	2750000	1005	21.559701	50.912504	21668	1	500	0.04158	0.551	208	
IRON	0	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	160	49223	258519	7875716	0.02	2440000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	160	49223	258519	7875716	0.02	2440000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
IRON	0	TURBIDITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
IRON	0	TURBIDITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	16528	3675.8675	37212	60754738	10	2800000	34709	38.379662	405.66108	1332120	0.1	36500	0.2921	0.0001	9168	*
IRON	0	TURBIDITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	43140	5389.2633	68858	232492818	0.1	2750000	34709	38.379662	405.66108	1332120	0.1	36500	0.00077	0.9215	16388	
IRON	0	TURBIDITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	160	49223	258519	7875716	0.02	2440000	34709	38.379662	405.66108	1332120	0.1	36500	0.98653	0.1046	3	
IRON	0	WELL-DEPTH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	16528	3675.8675	37212	60754738	10	2800000	581	398.67981	390.97008	231633	3	1980	-0.96142	0.1774	3	
IRON	0	WELL-DEPTH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	43140	5389.2633	68858	232492818	0.1	2750000	581	398.67981	390.97008	231633	3	1980	0.14281	0.7358	8	
IRON	0	WELL-DEPTH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	160	49223	258519	7875716	0.02	2440000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
IRON	300	ALKALINITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
IRON	300	ALKALINITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	12238	4909.6749	43178	60084602	300	2800000	8351	141.86443	79.888743	1184710	0.9	1800	-0.02119	0.8277	108	
IRON	300	ALKALINITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4638	49686	204723	230445849	300	2750000	8351	141.86443	79.888743	1184710	0.9	1800	0.06573	0.2679	286	
IRON	300	ALKALINITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	121	65040	295834	7869890	310	2440000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	12238	4909.6749	43178	60084602	300	2800000	3697	8.682685	216.40147	32100	0.2	12000	-0.06825	0.1275	500	
IRON	300	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	12238	4909.6749	43178	60084602	300	2800000	969	27.159099	88.389881	26317	1	350	-0.09858	0.0471	406	*
IRON	300	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4638	49686	204723	230445849	300	2750000	3697	8.682685	216.40147	32100	0.2	12000	0.45285	0.0001	208	*
IRON	300	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4638	49686	204723	230445849	300	2750000	969	27.159099	88.389881	26317	1	350	-0.15402	0.5991	14	
IRON	300	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	121	65040	295834	7869890	310	2440000	3697	8.682685	216.40147	32100	0.2	12000	-0.58889	0.1642	7	
IRON	300	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	121	65040	295834	7869890	310	2440000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	12238	4909.6749	43178	60084602	300	2800000	10397	18.293928	493.01898	190202	1	32000	-0.02386	0.3578	1487	
IRON	300	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	12238	4909.6749	43178	60084602	300	2800000	9000	8.138151	50.541445	73243	1	3100	0.40778	0.0001	4656	*
IRON	300	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4638	49686	204723	230445849	300	2750000	10397	18.293928	493.01898	190202	1	32000	-0.03706	0.2765	864	
IRON	300	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4638	49686	204723	230445849	300	2750000	9000	8.138151	50.541445	73243	1	3100	-0.0322	0.5876	286	
IRON	300	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	121	65040	295834	7869890	310	2440000	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	2	
IRON	300	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	121	65040	295834	7869890	310	2440000	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	.N/A	.N/A	.N/A	.N/A	.N/A	7	1.71429	0.48795	12	1	2	.N/A	.N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	.N/A	.N/A	.N/A	.N/A	.N/A	15168	581.52304	3916.8679	8820541	1	160000	.N/A	.N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	.N/A	.N/A	.N/A	.N/A	.N/A	42074	243.3273	2387.0571	10237753	0.01	151000	.N/A	.N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	16528	3675.8675	37212	60754738	10	2800000	7	1.71429	0.48795	12	1	2	.N/A	.N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	16528	3675.8675	37212	60754738	10	2800000	15168	581.52304	3916.8679	8820541	1	160000	0.24341	0.0001	14997	*
IRON	0	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	16528	3675.8675	37212	60754738	10	2800000	42074	243.3273	2387.0571	10237753	0.01	151000	0.21491	0.0001	12400	*
IRON	0	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	43140	5389.2633	68858	232492818	0.1	2750000	7	1.71429	0.48795	12	1	2	0.26418	0.567	7	
IRON	0	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	43140	5389.2633	68858	232492818	0.1	2750000	15168	581.52304	3916.8679	8820541	1	160000	0.23317	0.0001	12030	*
IRON	0	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	43140	5389.2633	68858	232492818	0.1	2750000	42074	243.3273	2387.0571	10237753	0.01	151000	0.18311	0.0001	41440	*
IRON	0	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	160	49223	258519	7875716	0.02	2440000	7	1.71429	0.48795	12	1	2	.N/A	.N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	160	49223	258519	7875716	0.02	2440000	15168	581.52304	3916.8679	8820541	1	160000	0.0521	0.5308	147	
IRON	0	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	160	49223	258519	7875716	0.02	2440000	42074	243.3273	2387.0571	10237753	0.01	151000	0.05563	0.4889	157	
IRON	0	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	.N/A	.N/A	.N/A	.N/A	.N/A	5608	0.136363	0.791919	764.723333	0.1	50	.N/A	.N/A	0	
IRON	0	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	.N/A	.N/A	.N/A	.N/A	.N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	.N/A	.N/A	0	
IRON	0	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	16528	3675.8675	37212	60754738	10	2800000	5608	0.136363	0.791919	764.723333	0.1	50	0.00529	0.8619	1082	
IRON	0	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	16528	3675.8675	37212	60754738	10	2800000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.06221	0.0001	8588	*
IRON	0	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	43140	5389.2633	68858	232492818	0.1	2750000	5608	0.136363	0.791919	764.723333	0.1	50	0.35264	0.0001	4801	*
IRON	0	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	43140	5389.2633	68858	232492818	0.1	2750000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.00872	0.4582	7237	
IRON	0	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	160	49223	258519	7875716	0.02	2440000	5608	0.136363	0.791919	764.723333	0.1	50	.N/A	.N/A	4	
IRON	0	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	160	49223	258519	7875716	0.02	2440000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	.N/A	.N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	.N/A	.N/A	.N/A	.N/A	.N/A	19215	76.162741	672.33574	1463467	0.5	17000	.N/A	.N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	.N/A	.N/A	.N/A	.N/A	.N/A	12890	18.184867	47.752014	234403	1	2400	.N/A	.N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	16528	3675.8675	37212	60754738	10	2800000	19215	76.162741	672.33574	1463467	0.5	17000	0.64372	0.0001	8909	*
IRON	0	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	16528	3675.8675	37212	60754738	10	2800000	12890	18.184867	47.752014	234403	1	2400	0.6992	0.0001	11238	*
IRON	0	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	43140	5389.2633	68858	232492818	0.1	2750000	19215	76.162741	672.33574	1463467	0.5	17000	0.84674	0.0001	18801	*
IRON	0	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	43140	5389.2633	68858	232492818	0.1	2750000	12890	18.184867	47.752014	234403	1	2400	0.81169	0.0001	9063	*
IRON	0	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	160	49223	258519	7875716	0.02	2440000	19215	76.162741	672.33574	1463467	0.5	17000	-0.34135	0.2131	15	
IRON	0	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	160	49223	258519	7875716	0.02	2440000	12890	18.184867	47.752014	234403	1	2400	.N/A	.N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	.N/A	.N/A	.N/A	.N/A	.N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	.N/A	.N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	.N/A	.N/A	.N/A	.N/A	.N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	.N/A	.N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	16528	3675.8675	37212	60754738	10	2800000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.00181	0.8988	4930	
IRON	0	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	16528	3675.8675	37212	60754738	10	2800000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.00726	0.7417	2063	
IRON	0	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	43140	5389.2633	68858	232492818	0.1	2750000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.0139	0.0178	29062	*
IRON	0	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	43140	5389.2633	68858	232492818	0.1	2750000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.01007	0.6271	2331	
IRON	0	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	160	49223	258519	7875716	0.02	2440000	49228	0.034175	0.178812	1682.36412	0.001	7.1	.N/A	.N/A	9	
IRON	0	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	160	49223	258519	7875716	0.02	2440000	10597	0.022854	0.115399	242.179118	0.001	10.121667	.N/A	.N/A	0	
IRON	0	PH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	.N/A	.N/A	.N/A	.N/A	.N/A	99613	7.568676	0.845555	753938	0.1	14	.N/A	.N/A	0	
IRON	0	PH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	16528	3675.8675	37212	60754738	10	2800000	99613	7.568676	0.845555	753938	0.1	14	-0.18099	0.0001	16057	*
IRON	0	PH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	43140	5389.2633	68858	232492818	0.1	2750000	99613	7.568676	0.845555	753938	0.1	14	-0.3971	0.0001	41942	*
IRON	0	PH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	160	49223	258519	7875716	0.02	2440000	99613	7.568676	0.845555	753938	0.1	14	-0.17382	0.0279	160	*
IRON	0	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	.N/A	.N/A	.N/A	.N/A	.N/A	15132	5.739795	49.018961	86855	1	3000	.N/A	.N/A	0	
IRON	[illegible]	[illegible]ENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	[illegible]	.N/A	.N/A	.N/A	.N/A	.N/A	7729	6.108779	70.618386	47215	1	5800	.N/A	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible] and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
HARDNESS	300	NITRATE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	12433	705.64184	823.87105	8773245	300	17000	27516	2.33807	13.946496	64334	0.001	1800	0.21064	0.0001	3143	*
HARDNESS	300	NITRITE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	12433	705.64184	823.87105	8773245	300	17000	49226	0.034175	0.178812	1682.36412	0.001	7.1	0.02442	0.0748	5324	
HARDNESS	300	NITRITE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	12433	705.64184	823.87105	8773245	300	17000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.02672	0.6022	383	
HARDNESS	300	PH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	12433	705.64184	823.87105	8773245	300	17000	99613	7.568676	0.845555	753938	0.1	14	-0.05045	0.0001	11760	*
HARDNESS	300	RADIUM-226	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	1	
HARDNESS	300	RADIUM-226	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	624	0.110433	0.221947	68.91	0.02	3	0.56847	0.0001	50	*
HARDNESS	300	RADIUM-226	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	578	0.026644	0.038336	15.4	0.007	0.48	0.56737	0.0001	45	*
HARDNESS	300	RADON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P76002	RADON 222-PE-P76002-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	102	37.441176	53.295844	3819	15	330	0.47407	0.0071	31	*
HARDNESS	300	RADON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	102	318.25	498.76308	32462	24	3300	0.41152	0.0214	31	*
HARDNESS	300	SELENIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	12433	705.64184	823.87105	8773245	300	17000	15132	5.739795	49.016961	86855	1	3000	0.20405	0.0001	3998	*
HARDNESS	300	SELENIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	12433	705.64184	823.87105	8773245	300	17000	7729	8.108779	70.618386	47215	1	5800	0.52452	0.0001	1611	*
HARDNESS	300	SULFATE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	12433	705.64184	823.87105	8773245	300	17000	61449	203.15791	972.75089	12483850	0.01	64000	0.76571	0.0001	11211	*
HARDNESS	300	THALLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	12433	705.64184	823.87105	8773245	300	17000	352	30.269574	23.93811	10655	0.1	50	-0.46282	0.0301	22	*
HARDNESS	300	THALLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	12433	705.64184	823.87105	8773245	300	17000	1005	21.559701	50.912504	21668	1	500	-0.21184	0.1205	55	
HARDNESS	300	TURBIDITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00076	TURBIDITY-P00076-(NTU)	12433	705.64184	823.87105	8773245	300	17000	34709	38.379662	405.66108	1332120	0.1	36500	0.01075	0.4734	4449	
HARDNESS	300	URANIUM-235	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	26	0.146154	0.124035	3.8	0.1	0.6	0.6234	0.5715	3	
HARDNESS	300	URANIUM-238	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	12433	705.64184	823.87105	8773245	300	17000	26	2.017692	3.112414	52.46	0.1	12	0.76803	0.4222	3	
HARDNESS	300	WELL-DEPTH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	12433	705.64184	823.87105	8773245	300	17000	581	398.67981	390.97008	231633	3	1980	0.07509	0.9045	5	
IRON	0	ALKALINITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
IRON	0	ALKALINITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	16528	3675.8675	37212	60754738	10	2800000	8351	141.86443	79.888743	1184710	0.9	1800	-0.0517	0.3604	315	
IRON	0	ALKALINITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	43140	5389.2633	68858	232492818	0.1	2750000	8351	141.86443	79.888743	1184710	0.9	1800	-0.25923	0.0001	4915	*
IRON	0	ALKALINITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	160	49223	258519	7875716	0.02	2440000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
IRON	0	CONDUCTANCE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
IRON	0	CONDUCTANCE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	16528	3675.8675	37212	60754738	10	2800000	151404	835.24242	7585.0802	126459043	1	2400000	0.0676	0.0001	15918	*
IRON	0	CONDUCTANCE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	43140	5389.2633	68858	232492818	0.1	2750000	151404	835.24242	7585.0802	126459043	1	2400000	0.17294	0.0001	41779	*
IRON	0	CONDUCTANCE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	160	49223	258519	7875716	0.02	2440000	151404	835.24242	7585.0802	126459043	1	2400000	0.76328	0.0001	160	*
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	16528	3675.8675	37212	60754738	10	2800000	178	43.107191	64.532141	7673.08	0.01	544	-0.32354	0.5316	6	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	43140	5389.2633	68858	232492818	0.1	2750000	178	43.107191	64.532141	7673.08	0.01	544	-0.12227	0.7202	11	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	160	49223	258519	7875716	0.02	2440000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	16528	3675.8675	37212	60754738	10	2800000	83235	542.51758	153897	45156451	0.1	44400000	-0.00138	0.8688	14423	
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	43140	5389.2633	68858	232492818	0.1	2750000	83235	542.51758	153897	45156451	0.1	44400000	-0.00019	0.9713	37631	
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	160	49223	258519	7875716	0.02	2440000	83235	542.51758	153897	45156451	0.1	44400000	0.31104	0.2243	17	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	16528	3675.8675	37212	60754738	10	2800000	45639	642.85223	3429.8776	29339133	3	322000	-0.01238	0.3028	6947	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	43140	5389.2633	68858	232492818	0.1	2750000	45639	642.85223	3429.8776	29339133	3	322000	0.211	0.0001	33464	*
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	160	49223	258519	7875716	0.02	2440000	45639	642.85223	3429.8776	29339133	3	322000	0.2869	0.6092	6	
IRON	0	HARDNESS	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
IRON	0	HARDNESS	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	16528	3675.8675	37212	60754738	10	2800000	58733	243.24843	454.78754	14286710	1	17000	0.00772	0.3568	14258	
IRON	0	HARDNESS	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	43140	5389.2633	68858	232492818	0.1	2750000	58733	243.24843	454.78754	14286710	1	17000	0.26496	0.0001	41692	*
IRON	0	HARDNESS	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	160	49223	258519	7875716	0.02	2440000	58733	243.24843	454.78754	14286710	1	17000	-0.13571	0.6296	15	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
DISSOLVED-SOLID	500	URANIUM-235	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	26	0.148154	0.124035	3.8	0.1	0.6	0.99482	0.0052	4	*
DISSOLVED-SOLID	500	URANIUM-238	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	26	2.017692	3.112414	52.46	0.1	12	0.97783	0.0222	4	*
DISSOLVED-SOLID	500	WELL-DEPTH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	9641	2345.9127	7208.081	22616945	500	322000	581	398.67981	390.97008	231633	3	1980	-0.57518	0.3103	5	
HARDNESS	0	ALKALINITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	58733	243.24843	454.78754	14286710	1	17000	8351	141.86443	79.888743	1184710	0.9	1800	0.17246	0.0001	7622	*
HARDNESS	0	CONDUCTANCE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	58733	243.24843	454.78754	14286710	1	17000	151404	835.24242	7585.0802	126459043	1	2400000	0.8004	0.0001	55450	*
HARDNESS	0	DEPTH-BELOW-LAN	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	58733	243.24843	454.78754	14286710	1	17000	178	43.107191	64.532141	7673.08	0.01	544	0.06999	0.8121	14	
HARDNESS	0	DISSOLVED-OXYGE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	58733	243.24843	454.78754	14286710	1	17000	83235	542.51758	153897	45156451	0.1	44400000	0.01431	0.0015	49513	*
HARDNESS	0	PH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	58733	243.24843	454.78754	14286710	1	17000	99613	7.568676	0.845555	753938	0.1	14	0.1125	0.0001	55851	*
HARDNESS	0	TURBIDITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00078	TURBIDITY-P00078-(NTU)	58733	243.24843	454.78754	14286710	1	17000	34709	38.379662	405.66108	1332120	0.1	36500	-0.01028	0.151	19502	
HARDNESS	0	WELL-DEPTH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	58733	243.24843	454.78754	14286710	1	17000	581	398.67981	390.97008	231633	3	1980	-0.09426	0.719	17	
HARDNESS	300	ALKALINITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	12433	705.64184	823.87105	8773245	300	17000	8351	141.86443	79.888743	1184710	0.9	1800	-0.30969	0.0001	1744	*
HARDNESS	300	ANTIMONY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	12433	705.64184	823.87105	8773245	300	17000	3697	8.682685	216.40147	32100	0.2	12000	0.4213	0.0001	426	*
HARDNESS	300	ANTIMONY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	12433	705.64184	823.87105	8773245	300	17000	969	27.159099	88.389881	26317	1	350	-0.17353	0.0752	106	
HARDNESS	300	ARSENIC	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	12433	705.64184	823.87105	8773245	300	17000	10397	18.293928	493.01898	190202	1	32000	0.00085	0.9831	2936	
HARDNESS	300	ARSENIC	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	12433	705.64184	823.87105	8773245	300	17000	9000	8.138151	50.541445	73243	1	3100	-0.05265	0.0614	1263	
HARDNESS	300	BARIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	12433	705.64184	823.87105	8773245	300	17000	19173	53.91325	102.63829	1033679	0.2	12000	0.00145	0.9148	5456	
HARDNESS	300	BARIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	12433	705.64184	823.87105	8773245	300	17000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	BARIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	12433	705.64184	823.87105	8773245	300	17000	7990	86.273276	96.975617	689323	5	3000	0.12383	0.0001	3391	*
HARDNESS	300	BERYLLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	12433	705.64184	823.87105	8773245	300	17000	13507	4.19948	113.72045	56722	0.05	12000	0.65939	0.0001	4364	*
HARDNESS	300	BERYLLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	12433	705.64184	823.87105	8773245	300	17000	9762	3.45088	8.24248	33687	0.5	710	0.16415	0.0001	3299	*
HARDNESS	300	CADMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	12433	705.64184	823.87105	8773245	300	17000	20131	4.525946	98.232558	91112	0.01	12000	0.26532	0.0001	5449	*
HARDNESS	300	CADMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	12433	705.64184	823.87105	8773245	300	17000	16049	2.254285	3.179993	36179	1	140	0.08607	0.0001	3863	*
HARDNESS	300	CHROMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	12433	705.64184	823.87105	8773245	300	17000	17823	7.326853	100.60661	130587	0.01	12000	0.23147	0.0001	5282	*
HARDNESS	300	CHROMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	12433	705.64184	823.87105	8773245	300	17000	880	1.170455	1.484249	1030	1	20	-0.05291	0.8731	66	
HARDNESS	300	CHROMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	12433	705.64184	823.87105	8773245	300	17000	14432	5.940315	14.892349	85731	1	765	0.01587	0.3282	3800	
HARDNESS	300	CONDUCTANCE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	12433	705.64184	823.87105	8773245	300	17000	151404	835.24242	7585.0802	126459043	1	2400000	0.77289	0.0001	12189	*
HARDNESS	300	CYANIDE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	12433	705.64184	823.87105	8773245	300	17000	4413	0.026723	0.713462	117.928667	0.001	42	0.06034	0.0625	954	
HARDNESS	300	CYANIDE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	12433	705.64184	823.87105	8773245	300	17000	307	0.052834	0.444387	16.22	0.01	6	-0.07469	0.4579	101	
HARDNESS	300	DEPTH-BELOW-LAN	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	12433	705.64184	823.87105	8773245	300	17000	178	43.107191	64.532141	7673.08	0.01	544	1	#N/A	2	
HARDNESS	300	DISSOLVED-OXYGE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	12433	705.64184	823.87105	8773245	300	17000	83235	542.51758	153897	45156451	0.1	44400000	-0.00658	0.5196	9631	
HARDNESS	300	DISSOLVED-SOLID	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	12433	705.64184	823.87105	8773245	300	17000	45639	642.85223	3429.8776	29339133	3	322000	0.84004	0.0001	8833	*
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	12433	705.64184	823.87105	8773245	300	17000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	12433	705.64184	823.87105	8773245	300	17000	16528	3675.8675	37212	60754738	10	2800000	0.03814	0.0187	3801	*
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	12433	705.64184	823.87105	8773245	300	17000	43140	5389.2633	68858	232492818	0.1	2750000	0.23552	0.0001	8927	*
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01047	IRON-FERROUS-P01047-(UG/L)	12433	705.64184	823.87105	8773245	300	17000	160	49223	258519	7875716	0.02	2440000	-0.6161	0.1039	8	
HARDNESS	300	MANGANESE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	12433	705.64184	823.87105	8773245	300	17000	7	1.71429	0.48795	12	1	2	1	#N/A	2	
HARDNESS	300	MANGANESE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	12433	705.64184	823.87105	8773245	300	17000	15168	581.52304	3916.8679	8820541	1	160000	0.17213	0.0001	3630	*
HARDNESS	300	MANGANESE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	12433	705.64184	823.87105	8773245	300	17000	42074	243.3273	2387.0571	10237753	0.01	151000	0.18385	0.0001	8446	*
HARDNESS	300	MERCURY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	12433	705.64184	823.87105	8773245	300	17000	5608	0.136383	0.791919	764.723333	0.1	50	0.02372	0.3193	1765	
HARDNESS	300	MERCURY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	12433	705.64184	823.87105	8773245	300	17000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.13807	0.0001	2607	*
HARDNESS	[illegible]	[illegible]KEL	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1243[illegible]	[illegible]184	823.87105	8773245	300	17000	19215	76.162741	672.33574	1463467	0.5	17000	0.3[illegible]	[illegible]0.0001	5303	*
HARDNESS	[illegible]	[illegible]CKEL	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1243[illegible]	[illegible]184	823.87105	8773245	300	17000	12890	18.184867	47.752014	234403	1	2400	0.3[illegible]	[illegible]0.0001	3597	*

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
DISSOLVED-SOLID	500	BARIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	9641	2345.9127	7208.081	22616945	500	322000	19173	53.91325	102.63829	1033679	0.2	12000	0.22702	0.0001	2632	*
DISSOLVED-SOLID	500	BARIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	9641	2345.9127	7208.081	22616945	500	322000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BARIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	9641	2345.9127	7208.081	22616945	500	322000	7990	86.273276	96.975617	689323	5	3000	0.14543	0.0001	720	*
DISSOLVED-SOLID	500	BERYLLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	9641	2345.9127	7208.081	22616945	500	322000	13507	4.19948	113.72045	56722	0.05	12000	0.63215	0.0001	1423	*
DISSOLVED-SOLID	500	BERYLLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	9641	2345.9127	7208.081	22616945	500	322000	9762	3.45088	8.24248	33687	0.5	710	0.08104	0.0322	699	*
DISSOLVED-SOLID	500	CADMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	9641	2345.9127	7208.081	22616945	500	322000	20131	4.525946	98.232558	91112	0.01	12000	0.453	0.0001	2469	*
DISSOLVED-SOLID	500	CADMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	9641	2345.9127	7208.081	22616945	500	322000	16049	2.254265	3.179993	36179	1	140	0.49439	0.0001	1175	*
DISSOLVED-SOLID	500	CHROMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	9641	2345.9127	7208.081	22616945	500	322000	17823	7.326853	100.60661	130587	0.01	12000	0.43922	0.0001	2296	*
DISSOLVED-SOLID	500	CHROMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	9641	2345.9127	7208.081	22616945	500	322000	880	1.170455	1.484249	1030	1	20	0.14971	0.4056	33	
DISSOLVED-SOLID	500	CHROMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	9641	2345.9127	7208.081	22616945	500	322000	14432	5.940315	14.892349	85731	1	765	0.02487	0.3981	1156	
DISSOLVED-SOLID	500	CONDUCTANCE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	9641	2345.9127	7208.081	22616945	500	322000	151404	835.24242	7585.0802	126459043	1	2400000	0.95866	0.0001	9478	*
DISSOLVED-SOLID	500	CYANIDE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	9641	2345.9127	7208.081	22616945	500	322000	4413	0.026723	0.713462	117.928667	0.001	42	0.03934	0.3447	579	
DISSOLVED-SOLID	500	CYANIDE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	9641	2345.9127	7208.081	22616945	500	322000	307	0.052834	0.444387	16.22	0.01	6	-0.0444	0.7172	69	
DISSOLVED-SOLID	500	DEPTH-BELOW-LAN	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	9641	2345.9127	7208.081	22616945	500	322000	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
DISSOLVED-SOLID	500	DISSOLVED-OXYGE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	9641	2345.9127	7208.081	22616945	500	322000	83235	542.51758	153897	45156451	0.1	44400000	-0.00238	0.8431	6925	
DISSOLVED-SOLID	500	HARDNESS	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	9641	2345.9127	7208.081	22616945	500	322000	58733	243.24843	454.78754	14286710	1	17000	0.63325	0.0001	9641	*
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	9641	2345.9127	7208.081	22616945	500	322000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	9641	2345.9127	7208.081	22616945	500	322000	16528	3675.8675	37212	60754738	10	2800000	-0.04685	0.1446	971	
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	9641	2345.9127	7208.081	22616945	500	322000	43140	5389.2633	68858	232492818	0.1	2750000	0.20349	0.0001	5786	*
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01047	IRON-FERROUS-P01047-(UG/L)	9641	2345.9127	7208.081	22616945	500	322000	160	49223	258519	7875716	0.02	2440000	-1	#N/A	2	
DISSOLVED-SOLID	500	MANGANESE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	9641	2345.9127	7208.081	22616945	500	322000	7	1.71429	0.48795	12	1	2	0.00584	0.9926	5	
DISSOLVED-SOLID	500	MANGANESE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	9641	2345.9127	7208.081	22616945	500	322000	15168	581.52304	3916.8679	8820541	1	160000	-0.02199	0.4966	958	
DISSOLVED-SOLID	500	MANGANESE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	9641	2345.9127	7208.081	22616945	500	322000	42074	243.3273	2387.0571	10237753	0.01	151000	0.03737	0.0068	5252	*
DISSOLVED-SOLID	500	MERCURY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	9641	2345.9127	7208.081	22616945	500	322000	5608	0.136363	0.791919	764.723333	0.1	50	0.02205	0.3395	1878	
DISSOLVED-SOLID	500	MERCURY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	9641	2345.9127	7208.081	22616945	500	322000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.13521	0.0001	1225	*
DISSOLVED-SOLID	500	NICKEL	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	9641	2345.9127	7208.081	22616945	500	322000	19215	76.162741	672.33574	1463467	0.5	17000	0.25539	0.0001	2384	*
DISSOLVED-SOLID	500	NICKEL	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	9641	2345.9127	7208.081	22616945	500	322000	12890	18.184867	47.752014	234403	1	2400	0.44171	0.0001	917	*
DISSOLVED-SOLID	500	NITRATE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	9641	2345.9127	7208.081	22616945	500	322000	27516	2.33807	13.946496	64334	0.001	1800	0.04007	0.0312	2690	*
DISSOLVED-SOLID	500	NITRITE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	9641	2345.9127	7208.081	22616945	500	322000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.00722	0.5996	5289	
DISSOLVED-SOLID	500	NITRITE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	9641	2345.9127	7208.081	22616945	500	322000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.00046	0.9924	418	
DISSOLVED-SOLID	500	PH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	9641	2345.9127	7208.081	22616945	500	322000	99613	7.568676	0.845555	753938	0.1	14	-0.01483	0.1602	8976	
DISSOLVED-SOLID	500	RADIUM-226	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	4	
DISSOLVED-SOLID	500	RADIUM-226	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	624	0.110433	0.221947	68.91	0.02	3	0.44159	0.0002	68	*
DISSOLVED-SOLID	500	RADIUM-226	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	578	0.026644	0.038336	15.4	0.007	0.48	0.40176	0.0011	63	*
DISSOLVED-SOLID	500	RADON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	102	37.441176	53.295844	3819	15	330	0.10284	0.6325	24	
DISSOLVED-SOLID	500	RADON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	9641	2345.9127	7208.081	22616945	500	322000	102	318.25	498.76308	32462	24	3300	0.11435	0.5947	24	
DISSOLVED-SOLID	500	SELENIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	9641	2345.9127	7208.081	22616945	500	322000	15132	5.739795	49.016961	86855	1	3000	0.0955	0.0001	4091	*
DISSOLVED-SOLID	500	SELENIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	9641	2345.9127	7208.081	22616945	500	322000	7729	6.108779	70.618386	47215	1	5800	0.40826	0.0001	1372	*
DISSOLVED-SOLID	500	SULFATE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	9641	2345.9127	7208.081	22616945	500	322000	61449	203.15791	972.75089	12483850	0.01	64000	0.50072	0.0001	9641	*
DISSOLVED-SOLID	500	THALLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	9641	2345.9127	7208.081	22616945	500	322000	352	30.269574	23.93811	10655	0.1	50	-0.0719	0.7444	23	
DISSOLVED-SOLID	500	THALLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	9641	2345.9127	7208.081	22616945	500	322000	1005	21.559701	50.912504	21668	1	500	0.19014	0.0284	133	*
DISSOLVED-SOLID	500	TURBIDITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	9641	2345.9127	7208.081	22616945	500	322000	34709	38.379662	405.66108	1332120	0.1	36500	-0.01818	0.4062	2090	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0.2	RADON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	5	15.08	16.668293	75.4	1	42	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
CYANIDE	0.2	RADON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P76002	RADON 222-PE-P76002-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
CYANIDE	0.2	RADON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
CYANIDE	0.2	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5	15.08	16.668293	75.4	1	42	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	1	
CYANIDE	0.2	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5	15.08	16.668293	75.4	1	42	7729	6.108779	70.618386	47215	1	5800	0.93847	0.0615	4	
CYANIDE	0.2	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3	3.783333	3.015101	11.35	0.35	6	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	2	
CYANIDE	0.2	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3	3.783333	3.015101	11.35	0.35	6	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
CYANIDE	0.2	SULFATE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	5	15.08	16.668293	75.4	1	42	61449	203.15791	972.75089	12483850	0.01	64000	0.40807	0.5919	4	
CYANIDE	0.2	SULFATE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	3	3.783333	3.015101	11.35	0.35	6	61449	203.15791	972.75089	12483850	0.01	64000	-1	#N/A	2	
CYANIDE	0.2	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5	15.08	16.668293	75.4	1	42	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	1	
CYANIDE	0.2	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5	15.08	16.668293	75.4	1	42	1005	21.559701	50.912504	21668	1	500	0.9313	0.2373	3	
CYANIDE	0.2	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3	3.783333	3.015101	11.35	0.35	6	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	2	
CYANIDE	0.2	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3	3.783333	3.015101	11.35	0.35	6	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
CYANIDE	0.2	TURBIDITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	5	15.08	16.668293	75.4	1	42	34709	38.379662	405.66108	1332120	0.1	36500	-1	#N/A	2	
CYANIDE	0.2	TURBIDITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	3	3.783333	3.015101	11.35	0.35	6	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-235	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5	15.08	16.668293	75.4	1	42	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-235	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-238	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5	15.08	16.668293	75.4	1	42	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
CYANIDE	0.2	URANIUM-238	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
CYANIDE	0.2	WELL-DEPTH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	5	15.08	16.668293	75.4	1	42	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
CYANIDE	0.2	WELL-DEPTH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	3	3.783333	3.015101	11.35	0.35	6	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	ALKALINITY	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	178	43.107191	64.532141	7673.08	0.01	544	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	CONDUCTANCE	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	178	43.107191	64.532141	7673.08	0.01	544	151404	835.24242	7585.0802	126459043	1	2400000	-0.18017	0.0235	158	*
DEPTH-BELOW-LAN	0	DISSOLVED-OXYGE	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	178	43.107191	64.532141	7673.08	0.01	544	83235	542.51758	153897	45156451	0.1	44400000	0.11197	0.4486	48	
DEPTH-BELOW-LAN	0	PH	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	178	43.107191	64.532141	7673.08	0.01	544	99613	7.568676	0.845555	753938	0.1	14	0.18154	0.0242	154	*
DEPTH-BELOW-LAN	0	TURBIDITY	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00076	TURBIDITY-P00076-(NTU)	178	43.107191	64.532141	7673.08	0.01	544	34709	38.379662	405.66108	1332120	0.1	36500	-1	#N/A	2	
DISSOLVED-OXYGE	0	ALKALINITY	SURFACE WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	83235	542.51758	153897	45156451	0.1	44400000	8351	141.86443	79.888743	1184710	0.9	1800	0.04689	0.0001	6651	*
DISSOLVED-OXYGE	0	CONDUCTANCE	SURFACE WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	83235	542.51758	153897	45156451	0.1	44400000	151404	835.24242	7585.0802	126459043	1	2400000	-0.00002	0.9955	79276	
DISSOLVED-OXYGE	0	TURBIDITY	SURFACE WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	83235	542.51758	153897	45156451	0.1	44400000	34709	38.379662	405.66108	1332120	0.1	36500	-0.00059	0.9221	27390	
DISSOLVED-SOLID	0	ALKALINITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	45639	642.85223	3429.8776	29339133	3	322000	8351	141.86443	79.888743	1184710	0.9	1800	0.05525	0.0001	7542	*
DISSOLVED-SOLID	0	CONDUCTANCE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	45639	642.85223	3429.8776	29339133	3	322000	151404	835.24242	7585.0802	126459043	1	2400000	0.96437	0.0001	44393	*
DISSOLVED-SOLID	0	DEPTH-BELOW-LAN	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	45639	642.85223	3429.8776	29339133	3	322000	178	43.107191	64.532141	7673.08	0.01	544	-0.10693	0.7281	13	
DISSOLVED-SOLID	0	DISSOLVED-OXYGE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	45639	642.85223	3429.8776	29339133	3	322000	83235	542.51758	153897	45156451	0.1	44400000	0.00178	0.7254	38785	
DISSOLVED-SOLID	0	HARDNESS	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	45639	642.85223	3429.8776	29339133	3	322000	58733	243.24843	454.78754	14286710	1	17000	0.85355	0.0001	45639	*
DISSOLVED-SOLID	0	PH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	45639	642.85223	3429.8776	29339133	3	322000	99613	7.568676	0.845555	753938	0.1	14	0.08694	0.0001	43940	*
DISSOLVED-SOLID	0	TURBIDITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	45639	642.85223	3429.8776	29339133	3	322000	34709	38.379662	405.66108	1332120	0.1	36500	0.00404	0.6432	13136	
DISSOLVED-SOLID	0	WELL-DEPTH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	45639	642.85223	3429.8776	29339133	3	322000	581	398.67981	390.97008	231633	3	1980	-0.35808	0.2296	13	
DISSOLVED-SOLID	500	ALKALINITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	9641	2345.9127	7208.081	22616945	500	322000	8351	141.86443	79.888743	1184710	0.9	1800	-0.15957	0.0001	2194	*
DISSOLVED-SOLID	500	ANTIMONY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	9641	2345.9127	7208.081	22616945	500	322000	3697	8.682685	216.40147	32100	0.2	12000	0.61121	0.0001	498	*
DISSOLVED-SOLID	500	ANTIMONY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	9641	2345.9127	7208.081	22616945	500	322000	969	27.159099	88.389881	26317	1	350	0.03383	0.7344	103	
DISSOLVED-SOLID	[illegible]	[illegible]RSENIC	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	9641	[illegible]9127	7208.081	22616945	500	322000	10397	18.293928	493.01898	190202	1	32000	0.29[illegible]	0.0001	2715	*
DISSOLVED-SOLID	[illegible]	[illegible]ENIC	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	964[illegible]	[illegible]127	7208.081	22616945	500	322000	9000	8.138151	50.541445	73243	1	3100	-0.0[illegible]	[illegible]4077	1110	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0.2	DISSOLVED-OXYGE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3	3.783333	3.015101	11.35	0.35	6	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	1	
CYANIDE	0.2	DISSOLVED-SOLID	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5	15.08	16.668293	75.4	1	42	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	1	
CYANIDE	0.2	DISSOLVED-SOLID	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3	3.783333	3.015101	11.35	0.35	6	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
CYANIDE	0.2	HARDNESS	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5	15.08	16.668293	75.4	1	42	58733	243.24843	454.78754	14286710	1	17000	0.65888	0.3411	4	
CYANIDE	0.2	HARDNESS	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3	3.783333	3.015101	11.35	0.35	6	58733	243.24843	454.78754	14286710	1	17000	1	#N/A	2	
CYANIDE	0.2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5	15.08	16.668293	75.4	1	42	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5	15.08	16.668293	75.4	1	42	16528	3675.8675	37212	60754738	10	2800000	0.00066	0.9992	5	
CYANIDE	0.2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5	15.08	16.668293	75.4	1	42	43140	5389.2633	68858	232492818	0.1	2750000	0.5543	0.4457	4	
CYANIDE	0.2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	5	15.08	16.668293	75.4	1	42	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CYANIDE	0.2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3	3.783333	3.015101	11.35	0.35	6	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3	3.783333	3.015101	11.35	0.35	6	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
CYANIDE	0.2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3	3.783333	3.015101	11.35	0.35	6	43140	5389.2633	68858	232492818	0.1	2750000	-1	#N/A	2	
CYANIDE	0.2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	3	3.783333	3.015101	11.35	0.35	6	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5	15.08	16.66829	75.4	1	42	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5	15.08	16.66829	75.4	1	42	15168	581.52304	3916.8679	8820541	1	160000	0.10858	0.862	5	
CYANIDE	0.2	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5	15.08	16.66829	75.4	1	42	42074	243.3273	2387.0571	10237753	0.01	151000	-0.2832	0.7168	4	
CYANIDE	0.2	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3	3.78333	3.0151	11.35	0.35	6	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3	3.78333	3.0151	11.35	0.35	6	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3	3.78333	3.0151	11.35	0.35	6	42074	243.3273	2387.0571	10237753	0.01	151000	-1	#N/A	2	
CYANIDE	0.2	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5	15.08	16.668293	75.4	1	42	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	1	
CYANIDE	0.2	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5	15.08	16.668293	75.4	1	42	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	1	
CYANIDE	0.2	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3	3.783333	3.015101	11.35	0.35	6	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
CYANIDE	0.2	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3	3.783333	3.015101	11.35	0.35	6	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
CYANIDE	0.2	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5	15.08	16.668293	75.4	1	42	19215	76.162741	672.33574	1463467	0.5	17000	0.42298	0.722	3	
CYANIDE	0.2	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5	15.08	16.668293	75.4	1	42	12890	18.184867	47.752014	234403	1	2400	0.23871	0.699	5	
CYANIDE	0.2	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3	3.783333	3.015101	11.35	0.35	6	19215	76.162741	672.33574	1463467	0.5	17000	-1	#N/A	2	
CYANIDE	0.2	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3	3.783333	3.015101	11.35	0.35	6	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
CYANIDE	0.2	NITRATE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5	15.08	16.668293	75.4	1	42	27516	2.33807	13.946496	64334	0.001	1800	0.35648	0.7668	3	
CYANIDE	0.2	NITRATE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	3	3.783333	3.015101	11.35	0.35	6	27516	2.33807	13.946496	64334	0.001	1800	-1	#N/A	2	
CYANIDE	0.2	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5	15.08	16.668293	75.4	1	42	49228	0.034175	0.178812	1682.36412	0.001	7.1	-1	#N/A	2	
CYANIDE	0.2	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5	15.08	16.668293	75.4	1	42	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	1	
CYANIDE	0.2	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3	3.783333	3.015101	11.35	0.35	6	49228	0.034175	0.178812	1682.36412	0.001	7.1	-1	#N/A	2	
CYANIDE	0.2	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3	3.783333	3.015101	11.35	0.35	6	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
CYANIDE	0.2	PH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5	15.08	16.668293	75.4	1	42	99613	7.568676	0.845555	753938	0.1	14	-0.37131	0.5383	5	
CYANIDE	0.2	PH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3	3.783333	3.015101	11.35	0.35	6	99613	7.568676	0.845555	753938	0.1	14	1	#N/A	2	
CYANIDE	0.2	RADIUM-226	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5	15.08	16.668293	75.4	1	42	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
CYANIDE	0.2	RADIUM-226	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5	15.08	16.668293	75.4	1	42	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
CYANIDE	0.2	RADIUM-226	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5	15.08	16.668293	75.4	1	42	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
CYANIDE	0.2	RADIUM-226	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
CYANIDE	0.2	RADIUM-226	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
CYANIDE	0.2	RADIUM-226	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	3	3.783333	3.015101	11.35	0.35	6	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
CYANIDE	0.2	RADON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P76002	RADON 222-PE-P76002-(PCI/L)	5	15.08	16.668293	75.4	1	42	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4413	0.026723	0.713462	117.928667	0.001	42	1005	21.559701	50.912504	21668	1	500	-0.01177	0.7325	846	
CYANIDE	0	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	307	0.052834	0.444387	16.22	0.01	6	352	30.269574	23.93811	10655	0.1	50	0.25221	0.1438	35	
CYANIDE	0	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	307	0.052834	0.444387	16.22	0.01	6	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	23	
CYANIDE	0	TURBIDITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	4413	0.026723	0.713462	117.928667	0.001	42	34709	38.379662	405.66108	1332120	0.1	36500	-0.00186	0.9257	2502	
CYANIDE	0	TURBIDITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	307	0.052834	0.444387	16.22	0.01	6	34709	38.379662	405.66108	1332120	0.1	36500	-0.14544	0.0514	180	
CYANIDE	0	WELL-DEPTH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	4413	0.026723	0.713462	117.928667	0.001	42	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
CYANIDE	0	WELL-DEPTH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	307	0.052834	0.444387	16.22	0.01	6	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
CYANIDE	0.2	ALKALINITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5	15.08	16.668293	75.4	1	42	8351	141.86443	79.868743	1184710	0.9	1800	#N/A	#N/A	0	
CYANIDE	0.2	ALKALINITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3	3.783333	3.015101	11.35	0.35	6	8351	141.86443	79.868743	1184710	0.9	1800	#N/A	#N/A	0	
CYANIDE	0.2	ANTIMONY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5	15.08	16.668293	75.4	1	42	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	1	
CYANIDE	0.2	ANTIMONY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5	15.08	16.668293	75.4	1	42	969	27.159099	88.389881	26317	1	350	0.94435	0.2134	3	
CYANIDE	0.2	ANTIMONY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3	3.783333	3.015101	11.35	0.35	6	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	2	
CYANIDE	0.2	ANTIMONY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3	3.783333	3.015101	11.35	0.35	6	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
CYANIDE	0.2	ARSENIC	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	5	15.08	16.668293	75.4	1	42	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	1	
CYANIDE	0.2	ARSENIC	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	5	15.08	16.668293	75.4	1	42	9000	8.138151	50.541445	73243	1	3100	0.97658	0.0234	4	*
CYANIDE	0.2	ARSENIC	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	3	3.783333	3.015101	11.35	0.35	6	10397	18.293928	493.01898	190202	1	32000	1	#N/A	2	
CYANIDE	0.2	ARSENIC	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3	3.783333	3.015101	11.35	0.35	6	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5	15.08	16.668293	75.4	1	42	19173	53.91325	102.63829	1033679	0.2	12000	-0.4841	0.5159	4	
CYANIDE	0.2	BARIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5	15.08	16.668293	75.4	1	42	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5	15.08	16.668293	75.4	1	42	7990	86.273276	96.975617	689323	5	3000	-0.57581	0.3097	5	
CYANIDE	0.2	BARIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3	3.783333	3.015101	11.35	0.35	6	19173	53.91325	102.63829	1033679	0.2	12000	1	#N/A	2	
CYANIDE	0.2	BARIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3	3.783333	3.015101	11.35	0.35	6	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3	3.783333	3.015101	11.35	0.35	6	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
CYANIDE	0.2	BERYLLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5	15.08	16.66829	75.4	1	42	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	4	
CYANIDE	0.2	BERYLLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5	15.08	16.66829	75.4	1	42	9762	3.45088	8.24248	33687	0.5	710	0.16501	0.7909	5	
CYANIDE	0.2	BERYLLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3	3.78333	3.0151	11.35	0.35	6	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	2	
CYANIDE	0.2	BERYLLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3	3.78333	3.0151	11.35	0.35	6	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
CYANIDE	0.2	CADMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5	15.08	16.668293	75.4	1	42	20131	4.525946	98.232558	91112	0.01	12000	0.42298	0.722	3	
CYANIDE	0.2	CADMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5	15.08	16.668293	75.4	1	42	16049	2.254265	3.179993	36179	1	140	-0.0978	0.9376	3	
CYANIDE	0.2	CADMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3	3.783333	3.015101	11.35	0.35	6	20131	4.525946	98.232558	91112	0.01	12000	0	#N/A	2	
CYANIDE	0.2	CADMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3	3.783333	3.015101	11.35	0.35	6	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5	15.08	16.668293	75.4	1	42	17823	7.326853	100.60661	130587	0.01	12000	-0.58639	0.4136	4	
CYANIDE	0.2	CHROMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5	15.08	16.668293	75.4	1	42	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5	15.08	16.668293	75.4	1	42	14432	5.940315	14.892349	85731	1	765	0.01216	0.9845	5	
CYANIDE	0.2	CHROMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3	3.783333	3.015101	11.35	0.35	6	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	2	
CYANIDE	0.2	CHROMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3	3.783333	3.015101	11.35	0.35	6	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3	3.783333	3.015101	11.35	0.35	6	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
CYANIDE	0.2	CONDUCTANCE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5	15.08	16.668293	75.4	1	42	151404	835.24242	7585.0802	126459043	1	2400000	-0.13066	0.8341	5	
CYANIDE	0.2	CONDUCTANCE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3	3.783333	3.015101	11.35	0.35	6	151404	835.24242	7585.0802	126459043	1	2400000	1	#N/A	2	
CYANIDE	0.2	DEPTH-BELOW-LAN	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019 (FEET)	5	15.08	16.668293	75.4	1	42	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CYANIDE	[illegible]	DEPTH-BELOW-[illegible]	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019 (FEET)	3	[illegible]3333	3.015101	11.35	0.35	6	178	43.107191	64.532141	7673.08	0.01	544	#N/A	[illegible]N/A	0	
CYANIDE	[illegible]	[illegible]SOLVED-OXYGE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	[illegible]	[illegible].08	16.668293	75.4	1	42	83235	542.51758	153897	45156451	0.1	44400000	0.0[illegible]	[illegible]9893	5	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	CONDUCTANCE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	307	0.052834	0.444387	16.22	0.01	6	151404	835.24242	7585.0802	126459043	1	2400000	0.09441	0.1074	292	
CYANIDE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019 (FEET)	4413	0.026723	0.713462	117.928667	0.001	42	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CYANIDE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019 (FEET)	307	0.052834	0.444387	16.22	0.01	6	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
CYANIDE	0	DISSOLVED-OXYGE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	4413	0.026723	0.713462	117.928667	0.001	42	83235	542.51758	153897	45156451	0.1	44400000	-0.00782	0.6413	3550	
CYANIDE	0	DISSOLVED-OXYGE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	307	0.052834	0.444387	16.22	0.01	6	83235	542.51758	153897	45156451	0.1	44400000	0.1105	0.0634	283	
CYANIDE	0	DISSOLVED-SOLID	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4413	0.026723	0.713462	117.928667	0.001	42	45639	642.85223	3429.8776	29339133	3	322000	0.00246	0.8941	2920	
CYANIDE	0	DISSOLVED-SOLID	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	307	0.052834	0.444387	16.22	0.01	6	45639	642.85223	3429.8776	29339133	3	322000	0.12303	0.0989	181	
CYANIDE	0	HARDNESS	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4413	0.026723	0.713462	117.928667	0.001	42	58733	243.24843	454.78754	14288710	1	17000	0.00404	0.8015	3875	
CYANIDE	0	HARDNESS	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	307	0.052834	0.444387	16.22	0.01	6	58733	243.24843	454.78754	14288710	1	17000	0.049	0.4442	246	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4413	0.026723	0.713462	117.928667	0.001	42	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4413	0.026723	0.713462	117.928667	0.001	42	16528	3675.8675	37212	60754738	10	2800000	-0.00298	0.8751	2784	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4413	0.026723	0.713462	117.928667	0.001	42	43140	5389.2633	68858	232492818	0.1	2750000	-0.00153	0.9372	2655	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	4413	0.026723	0.713462	117.928667	0.001	42	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	307	0.052834	0.444387	16.22	0.01	6	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	307	0.052834	0.444387	16.22	0.01	6	16528	3675.8675	37212	60754738	10	2800000	-0.04691	0.5583	158	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	307	0.052834	0.444387	16.22	0.01	6	43140	5389.2633	68858	232492818	0.1	2750000	-0.02466	0.6739	289	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	307	0.052834	0.444387	16.22	0.01	6	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4413	0.02672	0.71346	117.92867	0.001	42	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4413	0.02672	0.71346	117.92867	0.001	42	15168	581.52304	3916.8679	8820541	1	160000	-0.00178	0.9262	2719	
CYANIDE	0	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4413	0.02672	0.71346	117.92867	0.001	42	42074	243.3273	2387.0571	10237753	0.01	151000	-0.00295	0.8821	2538	
CYANIDE	0	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	307	0.05283	0.44439	16.22	0.01	6	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	307	0.05283	0.44439	16.22	0.01	6	15168	581.52304	3916.8679	8820541	1	160000	-0.05517	0.4982	153	
CYANIDE	0	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	307	0.05283	0.44439	16.22	0.01	6	42074	243.3273	2387.0571	10237753	0.01	151000	0.01818	0.7771	245	
CYANIDE	0	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4413	0.026723	0.713462	117.928667	0.001	42	5608	0.136363	0.791919	764.723333	0.1	50	-0.00425	0.941	306	
CYANIDE	0	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4413	0.026723	0.713462	117.928667	0.001	42	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.06833	0.0001	3336	*
CYANIDE	0	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	307	0.052834	0.444387	16.22	0.01	6	5608	0.136363	0.791919	764.723333	0.1	50	-0.04095	0.5037	269	
CYANIDE	0	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	307	0.052834	0.444387	16.22	0.01	6	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.08083	0.4217	101	
CYANIDE	0	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4413	0.026723	0.713462	117.928667	0.001	42	19215	76.162741	672.33574	1463467	0.5	17000	0.00014	0.9945	2485	
CYANIDE	0	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4413	0.026723	0.713462	117.928667	0.001	42	12890	18.184867	47.752014	234403	1	2400	0.0182	0.2582	3862	
CYANIDE	0	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	307	0.052834	0.444387	16.22	0.01	6	19215	76.162741	672.33574	1463467	0.5	17000	-0.0315	0.6944	158	
CYANIDE	0	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	307	0.052834	0.444387	16.22	0.01	6	12890	18.184867	47.752014	234403	1	2400	-0.12609	0.281	75	
CYANIDE	0	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4413	0.026723	0.713462	117.928667	0.001	42	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.01076	0.6948	1333	
CYANIDE	0	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4413	0.026723	0.713462	117.928667	0.001	42	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.01509	0.6975	668	
CYANIDE	0	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	307	0.052834	0.444387	16.22	0.01	6	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.11652	0.0995	201	
CYANIDE	0	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	307	0.052834	0.444387	16.22	0.01	6	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.69494	0.0001	51	*
CYANIDE	0	PH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4413	0.026723	0.713462	117.928667	0.001	42	99613	7.568676	0.845555	753938	0.1	14	-0.0001	0.9948	4168	
CYANIDE	0	PH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	307	0.052834	0.444387	16.22	0.01	6	99613	7.568676	0.845555	753938	0.1	14	0.00135	0.9824	270	
CYANIDE	0	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4413	0.026723	0.713462	117.928667	0.001	42	15132	5.739795	49.016961	86855	1	3000	0.05086	0.2696	473	
CYANIDE	0	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4413	0.026723	0.713462	117.928667	0.001	42	7729	6.108779	70.618386	47215	1	5800	0.00416	0.812	3269	
CYANIDE	0	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	307	0.052834	0.444387	16.22	0.01	6	15132	5.739795	49.016961	86855	1	3000	0.07593	0.2012	285	
CYANIDE	0	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	307	0.052834	0.444387	16.22	0.01	6	7729	6.108779	70.618386	47215	1	5800	0.47987	0.0001	142	*
CYANIDE	0	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4413	0.026723	0.713462	117.928667	0.001	42	352	30.269574	23.93811	10655	0.1	50	0.07896	0.492	78	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	10	0.11	0.031623	1.1	0.1	0.2	ON/A	ON/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	624	0.110433	0.221947	68.91	0.02	3	ON/A	ON/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	578	0.026644	0.038336	15.4	0.007	0.48	ON/A	ON/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	10	0.11	0.031623	1.1	0.1	0.2	ON/A	ON/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	624	0.110433	0.221947	68.91	0.02	3	ON/A	ON/A	1	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	578	0.026644	0.038336	15.4	0.007	0.48	ON/A	ON/A	1	
CHROMIUM	100	RADON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	102	37.441176	53.295844	3819	15	330	ON/A	ON/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	102	318.25	498.76308	32462	24	3300	ON/A	ON/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	102	37.441176	53.295844	3819	15	330	ON/A	ON/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	102	318.25	498.76308	32462	24	3300	ON/A	ON/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	102	37.441176	53.295844	3819	15	330	ON/A	ON/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	102	318.25	498.76308	32462	24	3300	ON/A	ON/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	131	372.64122	1115.5378	48816	100	12000	15132	5.739795	49.016961	86855	1	3000	0.84369	0.0001	62	*
CHROMIUM	100	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	131	372.64122	1115.5378	48816	100	12000	7729	6.108779	70.618386	47215	1	5800	ON/A	ON/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	15132	5.739795	49.016961	86855	1	3000	ON/A	ON/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	7729	6.108779	70.618386	47215	1	5800	ON/A	ON/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	33	210.5404	160.28247	6947.83333	100	765	15132	5.739795	49.016961	86855	1	3000	0.1774	0.6743	8	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	33	210.5404	160.28247	6947.83333	100	765	7729	6.108779	70.618386	47215	1	5800	0.02795	0.9017	22	
CHROMIUM	100	SULFATE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	131	372.64122	1115.5378	48816	100	12000	61449	203.15791	972.75089	12483850	0.01	64000	0.64732	0.0001	130	*
CHROMIUM	100	SULFATE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	ON/A	ON/A	ON/A	ON/A	ON/A	61449	203.15791	972.75089	12483850	0.01	64000	ON/A	ON/A	0	
CHROMIUM	100	SULFATE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	33	210.5404	160.28247	6947.83333	100	765	61449	203.15791	972.75089	12483850	0.01	64000	-0.013	0.9519	24	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	131	372.64122	1115.5378	48816	100	12000	352	30.269574	23.93811	10655	0.1	50	ON/A	ON/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	131	372.64122	1115.5378	48816	100	12000	1005	21.559701	50.912504	21668	1	500	ON/A	ON/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	ON/A	ON/A	ON/A	ON/A	ON/A	352	30.269574	23.93811	10655	0.1	50	ON/A	ON/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1005	21.559701	50.912504	21668	1	500	ON/A	ON/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	33	210.5404	160.28247	6947.83333	100	765	352	30.269574	23.93811	10655	0.1	50	ON/A	ON/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	33	210.5404	160.28247	6947.83333	100	765	1005	21.559701	50.912504	21668	1	500	1	ON/A	2	
CHROMIUM	100	TURBIDITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	131	372.64122	1115.5378	48816	100	12000	34709	38.379662	405.66108	1332120	0.1	36500	ON/A	ON/A	1	
CHROMIUM	100	TURBIDITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	ON/A	ON/A	ON/A	ON/A	ON/A	34709	38.379662	405.66108	1332120	0.1	36500	ON/A	ON/A	0	
CHROMIUM	100	TURBIDITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	33	210.5404	160.28247	6947.83333	100	765	34709	38.379662	405.66108	1332120	0.1	36500	-0.35863	0.1893	15	
CHROMIUM	100	URANIUM-235	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	26	0.146154	0.124035	3.8	0.1	0.6	ON/A	ON/A	0	
CHROMIUM	100	URANIUM-235	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	26	0.146154	0.124035	3.8	0.1	0.6	ON/A	ON/A	0	
CHROMIUM	100	URANIUM-235	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	26	0.146154	0.124035	3.8	0.1	0.6	ON/A	ON/A	0	
CHROMIUM	100	URANIUM-238	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	26	2.017692	3.112414	52.46	0.1	12	ON/A	ON/A	0	
CHROMIUM	100	URANIUM-238	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	26	2.017692	3.112414	52.46	0.1	12	ON/A	ON/A	0	
CHROMIUM	100	URANIUM-238	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	33	210.5404	160.28247	6947.83333	100	765	26	2.017692	3.112414	52.46	0.1	12	ON/A	ON/A	0	
CHROMIUM	100	WELL-DEPTH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	131	372.64122	1115.5378	48816	100	12000	581	398.67981	390.97008	231633	3	1980	ON/A	ON/A	1	
CHROMIUM	100	WELL-DEPTH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	581	398.67981	390.97008	231633	3	1980	ON/A	ON/A	0	
CHROMIUM	100	WELL-DEPTH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	33	210.5404	160.28247	6947.83333	100	765	581	398.67981	390.97008	231633	3	1980	ON/A	ON/A	0	
CYANIDE	0	ALKALINITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4413	0.026723	0.713462	117.928667	0.001	42	8351	141.86443	79.888743	1184710	0.9	1800	-0.04231	0.3384	514	
CYANIDE	0	ALKALINITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	307	0.052834	0.444387	16.22	0.01	6	8351	141.86443	79.888743	1184710	0.9	1800	ON/A	[illegible]	8	
CYANIDE	[illegible]	[illegible]DUCTANCE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	441[illegible]	[illegible]/23	0.713462	117.928667	0.001	42	151404	835.24242	7585.0802	126459043	1	2400000	-0.[illegible]	[illegible]661	4206	

Appendix E-threshold. National Correlation analysis. Correlation c[illegible] and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	33	210.5404	160.28247	6947.83333	100	765	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	33	210.5404	160.28247	6947.83333	100	765	16528	3675.8675	37212	60754738	10	2800000	-0.25993	0.2825	19	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	33	210.5404	160.28247	6947.83333	100	765	43140	5389.2633	68858	232492818	0.1	2750000	-0.07429	0.7556	20	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	33	210.5404	160.28247	6947.83333	100	765	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	131	372.64122	1115.5378	48816	100	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	131	372.64122	1115.5378	48816	100	12000	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	131	372.64122	1115.5378	48816	100	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.1929	0.0285	129	*
CHROMIUM	100	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	33	210.5404	160.28247	6947.83333	100	765	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	33	210.5404	160.28247	6947.83333	100	765	15168	581.52304	3916.8679	8820541	1	160000	-0.08503	0.7293	19	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	33	210.5404	160.28247	6947.83333	100	765	42074	243.3273	2387.0571	10237753	0.01	151000	-0.14864	0.5561	18	
CHROMIUM	100	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	131	372.64122	1115.5378	48816	100	12000	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	131	372.64122	1115.5378	48816	100	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	33	210.5404	160.28247	6947.83333	100	765	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	5	
CHROMIUM	100	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	33	210.5404	160.28247	6947.83333	100	765	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.03218	0.8684	29	
CHROMIUM	100	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	131	372.64122	1115.5378	48816	100	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.12455	0.1596	129	
CHROMIUM	100	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	131	372.64122	1115.5378	48816	100	12000	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	33	210.5404	160.28247	6947.83333	100	765	19215	76.162741	672.33574	1463467	0.5	17000	0.3787	0.1664	15	
CHROMIUM	100	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	33	210.5404	160.28247	6947.83333	100	765	12890	18.184867	47.752014	234403	1	2400	0.65473	0.0002	27	*
CHROMIUM	100	NITRATE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	131	372.64122	1115.5378	48816	100	12000	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	1	
CHROMIUM	100	NITRATE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
CHROMIUM	100	NITRATE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	33	210.5404	160.28247	6947.83333	100	765	27516	2.33807	13.946496	64334	0.001	1800	-0.02837	0.9519	7	
CHROMIUM	100	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	131	372.64122	1115.5378	48816	100	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	1	
CHROMIUM	100	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	131	372.64122	1115.5378	48816	100	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	33	210.5404	160.28247	6947.83333	100	765	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.42896	0.1436	13	
CHROMIUM	100	NITRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	33	210.5404	160.28247	6947.83333	100	765	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	1	
CHROMIUM	100	PH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	131	372.64122	1115.5378	48816	100	12000	99613	7.568676	0.845555	753938	0.1	14	0.55299	0.0001	131	*
CHROMIUM	100	PH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
CHROMIUM	100	PH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	33	210.5404	160.28247	6947.83333	100	765	99613	7.568676	0.845555	753938	0.1	14	-0.40451	0.0217	32	*
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	131	372.64122	1115.5378	48816	100	12000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	BARIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	33	210.5404	160.28247	6947.83333	100	765	19173	53.91325	102.63829	1033679	0.2	12000	0.02836	0.914	17	
CHROMIUM	100	BARIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	33	210.5404	160.28247	6947.83333	100	765	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	33	210.5404	160.28247	6947.83333	100	765	7990	86.273276	96.975617	689323	5	3000	-0.31187	0.2396	16	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	131	372.64122	1115.5378	48816	100	12000	13507	4.19948	113.72045	56722	0.05	12000	0.99602	0.0001	131	*
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	131	372.64122	1115.5378	48816	100	12000	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	33	210.5404	160.28247	6947.83333	100	765	13507	4.19948	113.72045	56722	0.05	12000	0.20958	0.4721	14	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	33	210.5404	160.28247	6947.83333	100	765	9762	3.45088	8.24248	33687	0.5	710	0.54507	0.0158	19	*
CHROMIUM	100	CADMIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	131	372.64122	1115.5378	48816	100	12000	20131	4.525946	98.232558	91112	0.01	12000	0.9923	0.0001	122	*
CHROMIUM	100	CADMIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	131	372.64122	1115.5378	48816	100	12000	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	33	210.5404	160.28247	6947.83333	100	765	20131	4.525946	98.232558	91112	0.01	12000	0.55634	0.0134	19	*
CHROMIUM	100	CADMIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	33	210.5404	160.28247	6947.83333	100	765	16049	2.254265	3.179993	36179	1	140	0.07526	0.7147	26	
CHROMIUM	100	CONDUCTANCE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	131	372.64122	1115.5378	48816	100	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.86282	0.0001	131	*
CHROMIUM	100	CONDUCTANCE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
CHROMIUM	100	CONDUCTANCE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	33	210.5404	160.28247	6947.83333	100	765	151404	835.24242	7585.0802	126459043	1	2400000	-0.12021	0.5123	32	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	131	372.64122	1115.5378	48816	100	12000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	131	372.64122	1115.5378	48816	100	12000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	33	210.5404	160.28247	6947.83333	100	765	4413	0.026723	0.713462	117.928667	0.001	42	0.10405	0.7608	11	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	33	210.5404	160.28247	6947.83333	100	765	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019 (FEET)	131	372.64122	1115.5378	48816	100	12000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
CHROMIUM	100	DEPTH-BELOW-LAN	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019 (FEET)	33	210.5404	160.28247	6947.83333	100	765	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-OXYGE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	131	372.64122	1115.5378	48816	100	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.60785	0.2005	6	
CHROMIUM	100	DISSOLVED-OXYGE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-OXYGE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	33	210.5404	160.28247	6947.83333	100	765	83235	542.51758	153897	45156451	0.1	44400000	0.07853	0.7645	17	
CHROMIUM	100	DISSOLVED-SOLID	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	131	372.64122	1115.5378	48816	100	12000	45639	642.85223	3429.8776	29339133	3	322000	0.4345	0.0185	29	*
CHROMIUM	100	DISSOLVED-SOLID	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-SOLID	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	33	210.5404	160.28247	6947.83333	100	765	45639	642.85223	3429.8776	29339133	3	322000	0.21628	0.3738	19	
CHROMIUM	100	HARDNESS	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	131	372.64122	1115.5378	48816	100	12000	58733	243.24843	454.78754	14286710	1	17000	0.01655	0.8529	128	
CHROMIUM	100	HARDNESS	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
CHROMIUM	100	HARDNESS	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	33	210.5404	160.28247	6947.83333	100	765	58733	243.24843	454.78754	14286710	1	17000	0.19985	0.3725	22	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	131	372.64122	1115.5378	48816	100	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	131	372.64122	1115.5378	48816	100	12000	16528	3675.8675	37212	60754738	10	2600000	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	131	372.64122	1115.5378	48816	100	12000	43140	5389.2633	66858	232492818	0.1	2750000	-0.23305	0.0076	130	*
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	131	372.64122	1115.5378	48816	100	12000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CHROMIUM	[illegible]	[illegible]RON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	[illegible]N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	[illegible]	[illegible]N	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	[illegible]	[illegible]	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	PH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	17823	7.326853	100.60661	130587	0.01	12000	99613	7.568876	0.845555	753938	0.1	14	-0.09381	0.0001	17316	*
CHROMIUM	0	PH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	880	1.170455	1.484249	1030	1	20	99613	7.568876	0.845555	753938	0.1	14	-0.06992	0.0397	866	*
CHROMIUM	0	PH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14432	5.940315	14.892349	85731	1	765	99613	7.568876	0.845555	753938	0.1	14	-0.13801	0.0001	13955	*
CHROMIUM	0	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	17823	7.326853	100.60661	130587	0.01	12000	15132	5.739795	49.016961	86855	1	3000	0.3541	0.0001	6721	*
CHROMIUM	0	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	17823	7.326853	100.60661	130587	0.01	12000	7729	6.108779	70.618386	47215	1	5800	0.42709	0.0001	3141	*
CHROMIUM	0	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	880	1.170455	1.484249	1030	1	20	15132	5.739795	49.016961	86855	1	3000	-0.05459	0.3064	353	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	880	1.170455	1.484249	1030	1	20	7729	6.108779	70.618386	47215	1	5800	-0.01677	0.7867	263	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14432	5.940315	14.892349	85731	1	765	15132	5.739795	49.016961	86855	1	3000	0.3371	0.0001	1934	*
CHROMIUM	0	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14432	5.940315	14.892349	85731	1	765	7729	6.108779	70.618386	47215	1	5800	0.15099	0.0001	6503	*
CHROMIUM	0	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	17823	7.326853	100.60661	130587	0.01	12000	352	30.269574	23.93811	10655	0.1	50	0.6882	0.0001	310	*
CHROMIUM	0	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	17823	7.326853	100.60661	130587	0.01	12000	1005	21.559701	50.912504	21668	1	500	-0.02548	0.7089	217	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	880	1.170455	1.484249	1030	1	20	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	12	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	880	1.170455	1.484249	1030	1	20	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	8	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14432	5.940315	14.892349	85731	1	765	352	30.269574	23.93811	10655	0.1	50	0.06465	0.5495	88	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14432	5.940315	14.892349	85731	1	765	1005	21.559701	50.912504	21668	1	500	0.0371	0.2518	956	
CHROMIUM	0	TURBIDITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	17823	7.326853	100.60661	130587	0.01	12000	34709	38.379662	405.66108	1332120	0.1	36500	-0.02235	0.0249	10076	*
CHROMIUM	0	TURBIDITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	880	1.170455	1.484249	1030	1	20	34709	38.379662	405.66108	1332120	0.1	36500	0.14365	0.0298	229	*
CHROMIUM	0	TURBIDITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	14432	5.940315	14.892349	85731	1	765	34709	38.379662	405.66108	1332120	0.1	36500	0.14481	0.0001	8509	*
CHROMIUM	0	WELL-DEPTH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	17823	7.326853	100.60661	130587	0.01	12000	581	398.67981	390.97008	231633	3	1980	-0.35717	0.3851	8	
CHROMIUM	0	WELL-DEPTH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	880	1.170455	1.484249	1030	1	20	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
CHROMIUM	0	WELL-DEPTH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	14432	5.940315	14.892349	85731	1	765	581	398.67981	390.97008	231633	3	1980	1	#N/A	2	
CHROMIUM	100	ALKALINITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	131	372.64122	1115.5378	48816	100	12000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	33	210.5404	160.28247	6947.83333	100	765	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	1	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	131	372.64122	1115.5378	48816	100	12000	3697	8.682685	216.40147	32100	0.2	12000	0.99995	0.0001	8	*
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	131	372.64122	1115.5378	48816	100	12000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	33	210.5404	160.28247	6947.83333	100	765	3697	8.682685	216.40147	32100	0.2	12000	-0.33333	0.4198	8	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	33	210.5404	160.28247	6947.83333	100	765	969	27.159099	88.389881	26317	1	350	-0.13846	0.7029	10	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	131	372.64122	1115.5378	48816	100	12000	10397	18.293928	493.01898	190202	1	32000	0.39993	0.0001	129	*
CHROMIUM	100	ARSENIC	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	131	372.64122	1115.5378	48816	100	12000	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	33	210.5404	160.28247	6947.83333	100	765	10397	18.293928	493.01898	190202	1	32000	-0.13273	0.754	8	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	33	210.5404	160.28247	6947.83333	100	765	9000	8.138151	50.541445	73243	1	3100	0.16792	0.3639	29	
CHROMIUM	100	BARIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	131	372.64122	1115.5378	48816	100	12000	19173	53.91325	102.63829	1033679	0.2	12000	0.99554	0.0001	131	*
CHROMIUM	100	BARIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	131	372.64122	1115.5378	48816	100	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	131	372.64122	1115.5378	48816	100	12000	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	HARDNESS	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	17823	7.326853	100.60661	130587	0.01	12000	58733	243.24843	454.78754	14286710	1	17000	0.19122	0.0001	16854	*
CHROMIUM	0	HARDNESS	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	880	1.170455	1.484249	1030	1	20	58733	243.24843	454.78754	14286710	1	17000	-0.11506	0.0006	877	*
CHROMIUM	0	HARDNESS	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14432	5.940315	14.892349	85731	1	765	58733	243.24843	454.78754	14286710	1	17000	-0.02082	0.0199	12505	*
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	17823	7.326853	100.60661	130587	0.01	12000	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	17823	7.326853	100.60661	130587	0.01	12000	16528	3675.8675	37212	60754738	10	2800000	0.15498	0.0001	9193	*
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	17823	7.326853	100.60661	130587	0.01	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.17789	0.0001	15951	*
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	17823	7.326853	100.60661	130587	0.01	12000	160	49223	258519	7875716	0.02	2440000	-0.27684	0.3179	15	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	880	1.170455	1.484249	1030	1	20	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	880	1.170455	1.484249	1030	1	20	16528	3675.8675	37212	60754738	10	2800000	0.05231	0.1853	643	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	880	1.170455	1.484249	1030	1	20	43140	5389.2633	68858	232492818	0.1	2750000	-0.00903	0.7977	808	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	880	1.170455	1.484249	1030	1	20	160	49223	258519	7875716	0.02	2440000	.N/A	.N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14432	5.940315	14.892349	85731	1	765	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14432	5.940315	14.892349	85731	1	765	16528	3675.8675	37212	60754738	10	2800000	0.40844	0.0001	11812	*
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14432	5.940315	14.892349	85731	1	765	43140	5389.2633	68858	232492818	0.1	2750000	0.15491	0.0001	9574	*
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	14432	5.940315	14.892349	85731	1	765	160	49223	258519	7875716	0.02	2440000	.N/A	.N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	17823	7.32685	100.60661	130587	0.01	12000	7	1.71429	0.48795	12	1	2	.N/A	.N/A	7	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	17823	7.32685	100.60661	130587	0.01	12000	15168	581.52304	3916.8679	8820541	1	160000	0.08757	0.0001	8890	*
CHROMIUM	0	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	17823	7.32685	100.60661	130587	0.01	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.0837	0.0001	15989	*
CHROMIUM	0	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	880	1.17045	1.48425	1030	1	20	7	1.71429	0.48795	12	1	2	.N/A	.N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	880	1.17045	1.48425	1030	1	20	15168	581.52304	3916.8679	8820541	1	160000	0.02845	0.4715	643	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	880	1.17045	1.48425	1030	1	20	42074	243.3273	2387.0571	10237753	0.01	151000	0.00174	0.9655	617	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14432	5.94031	14.89235	85731	1	765	7	1.71429	0.48795	12	1	2	.N/A	.N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14432	5.94031	14.89235	85731	1	765	15168	581.52304	3916.8679	8820541	1	160000	0.15975	0.0001	11079	*
CHROMIUM	0	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14432	5.94031	14.89235	85731	1	765	42074	243.3273	2387.0571	10237753	0.01	151000	0.05808	0.0001	9246	*
CHROMIUM	0	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	17823	7.326853	100.60661	130587	0.01	12000	5608	0.136363	0.791919	764.723333	0.1	50	0.05143	0.0016	3763	*
CHROMIUM	0	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	17823	7.326853	100.60661	130587	0.01	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.07062	0.0001	6311	*
CHROMIUM	0	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	880	1.170455	1.484249	1030	1	20	5608	0.136363	0.791919	764.723333	0.1	50	-0.02565	0.7158	204	
CHROMIUM	0	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	880	1.170455	1.484249	1030	1	20	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.01849	0.7474	306	
CHROMIUM	0	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14432	5.940315	14.892349	85731	1	765	5608	0.136363	0.791919	764.723333	0.1	50	0.00816	0.7845	1121	
CHROMIUM	0	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14432	5.940315	14.892349	85731	1	765	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.11773	0.0001	9952	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	17823	7.326853	100.60661	130587	0.01	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.27228	0.0001	14903	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	17823	7.326853	100.60661	130587	0.01	12000	12890	18.184867	47.752014	234403	1	2400	0.21116	0.0001	8701	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	880	1.170455	1.484249	1030	1	20	19215	76.162741	672.33574	1463467	0.5	17000	-0.02541	0.4726	801	
CHROMIUM	0	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	880	1.170455	1.484249	1030	1	20	12890	18.184867	47.752014	234403	1	2400	0.00423	0.9036	824	
CHROMIUM	0	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14432	5.940315	14.892349	85731	1	765	19215	76.162741	672.33574	1463467	0.5	17000	0.15871	0.0001	8847	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14432	5.940315	14.892349	85731	1	765	12890	18.184867	47.752014	234403	1	2400	0.33436	0.0001	12794	*
CHROMIUM	0	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	17823	7.326853	100.60661	130587	0.01	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.06839	0.0001	7231	*
CHROMIUM	0	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	17823	7.326853	100.60661	130587	0.01	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.03263	0.4026	660	
CHROMIUM	0	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	880	1.170455	1.484249	1030	1	20	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.00467	0.902	698	
CHROMIUM	0	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	880	1.170455	1.484249	1030	1	20	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.00107	0.9873	225	
CHROMIUM	[illegible]	[illegible]TRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1443[illegible]	[illegible]0315	14.892349	85731	1	765	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.01[illegible]	0.375	4049	
CHROMIUM	[illegible]	[illegible]TRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	144[illegible]	[illegible]0315	14.892349	85731	1	765	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.[illegible]	[illegible]0014	1918	*

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	RADON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1459	41.516799	362.95684	60573	5	12000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
CADMIUM	5	RADON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76002	RADON 222-PE-P76002-(PCI/L)	771	9.652122	11.552708	7441.78571	5	140	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	2	
CADMIUM	5	RADON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	771	9.652122	11.552708	7441.78571	5	140	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	2	
CADMIUM	5	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1459	41.516799	362.95684	60573	5	12000	15132	5.739795	49.016961	86855	1	3000	0.43853	0.0001	987	*
CADMIUM	5	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1459	41.516799	362.95684	60573	5	12000	7729	6.108779	70.618386	47215	1	5800	-0.05905	0.1809	515	
CADMIUM	5	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	771	9.652122	11.552708	7441.78571	5	140	15132	5.739795	49.016961	86855	1	3000	0.01955	0.7514	265	
CADMIUM	5	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	771	9.652122	11.552708	7441.78571	5	140	7729	6.108779	70.618386	47215	1	5800	-0.11345	0.0205	417	*
CADMIUM	5	SULFATE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1459	41.516799	362.95684	60573	5	12000	61449	203.15791	972.75089	12483850	0.01	64000	0.53838	0.0001	1286	*
CADMIUM	5	SULFATE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	771	9.652122	11.552708	7441.78571	5	140	61449	203.15791	972.75089	12483850	0.01	64000	0.31017	0.0001	588	*
CADMIUM	5	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1459	41.516799	362.95684	60573	5	12000	352	30.269574	23.93811	10655	0.1	50	0.78583	0.0001	199	*
CADMIUM	5	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1459	41.516799	362.95684	60573	5	12000	1005	21.559701	50.912504	21668	1	500	-0.21822	0.6036	8	
CADMIUM	5	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	771	9.652122	11.552708	7441.78571	5	140	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	7	
CADMIUM	5	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	771	9.652122	11.552708	7441.78571	5	140	1005	21.559701	50.912504	21668	1	500	-0.33346	0.001	95	*
CADMIUM	5	TURBIDITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	1459	41.516799	362.95684	60573	5	12000	34709	38.379662	405.66108	1332120	0.1	36500	0.00941	0.8616	346	
CADMIUM	5	TURBIDITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	771	9.652122	11.552708	7441.78571	5	140	34709	38.379662	405.66108	1332120	0.1	36500	0.01912	0.7673	242	
CADMIUM	5	URANIUM-235	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1459	41.516799	362.95684	60573	5	12000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
CADMIUM	5	URANIUM-235	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	771	9.652122	11.552708	7441.78571	5	140	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	3	
CADMIUM	5	URANIUM-238	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1459	41.516799	362.95684	60573	5	12000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
CADMIUM	5	URANIUM-238	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	771	9.652122	11.552708	7441.78571	5	140	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	3	
CADMIUM	5	WELL-DEPTH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	1459	41.516799	362.95684	60573	5	12000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
CADMIUM	5	WELL-DEPTH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	771	9.652122	11.552708	7441.78571	5	140	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	17823	7.326853	100.60661	130587	0.01	12000	8351	141.86443	79.888743	1184710	0.9	1800	-0.00923	0.7387	1331	
CHROMIUM	0	ALKALINITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	880	1.170455	1.484249	1030	1	20	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14432	5.940315	14.892349	85731	1	765	8351	141.86443	79.888743	1184710	0.9	1800	-0.30225	0.0001	787	*
CHROMIUM	0	CONDUCTANCE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	17823	7.326853	100.60661	130587	0.01	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.56615	0.0001	16273	*
CHROMIUM	0	CONDUCTANCE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	880	1.170455	1.484249	1030	1	20	151404	835.24242	7585.0802	126459043	1	2400000	-0.03141	0.3554	868	
CHROMIUM	0	CONDUCTANCE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14432	5.940315	14.892349	85731	1	765	151404	835.24242	7585.0802	126459043	1	2400000	-0.00689	0.4258	13376	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	17823	7.326853	100.60661	130587	0.01	12000	4413	0.026723	0.713462	117.928667	0.001	42	0.0031	0.8786	2433	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	17823	7.326853	100.60661	130587	0.01	12000	307	0.052834	0.444387	16.22	0.01	6	0.18984	0.0061	207	*
CHROMIUM	0	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	880	1.170455	1.484249	1030	1	20	4413	0.026723	0.713462	117.928667	0.001	42	-0.02024	0.727	300	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	880	1.170455	1.484249	1030	1	20	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	10	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14432	5.940315	14.892349	85731	1	765	4413	0.026723	0.713462	117.928667	0.001	42	0.00756	0.6337	3976	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14432	5.940315	14.892349	85731	1	765	307	0.052834	0.444387	16.22	0.01	6	0.01307	0.8845	126	
CHROMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	17823	7.326853	100.60661	130587	0.01	12000	178	43.107191	64.532141	7673.08	0.01	544	-0.37401	0.4085	7	
CHROMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	880	1.170455	1.484249	1030	1	20	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14432	5.940315	14.892349	85731	1	765	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
CHROMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	17823	7.326853	100.60661	130587	0.01	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.01431	0.0706	15964	
CHROMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	880	1.170455	1.484249	1030	1	20	83235	542.51758	153897	45156451	0.1	44400000	-0.00185	0.9569	854	
CHROMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14432	5.940315	14.892349	85731	1	765	83235	542.51758	153897	45156451	0.1	44400000	0.00596	0.498	12939	
CHROMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	17823	7.326853	100.60661	130587	0.01	12000	45639	642.85223	3429.8776	29339133	3	322000	0.4274	0.0001	9469	*
CHROMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	880	1.170455	1.484249	1030	1	20	45639	642.85223	3429.8776	29339133	3	322000	-0.06517	0.3126	242	
CHROMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14432	5.940315	14.892349	85731	1	765	45639	642.85223	3429.8776	29339133	3	322000	0.0101	0.4297	6119	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	DISSOLVED-OXYGE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	771	9.652122	11.552708	7441.78571	5	140	83235	542.51758	153897	45156451	0.1	44400000	-0.32833	0.0001	557	*
CADMIUM	5	DISSOLVED-SOLID	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1459	41.516799	362.95684	60573	5	12000	45639	642.85223	3429.8776	29339133	3	322000	0.24681	0.0001	600	*
CADMIUM	5	DISSOLVED-SOLID	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	771	9.652122	11.552708	7441.78571	5	140	45639	642.85223	3429.8776	29339133	3	322000	0.04894	0.4266	266	
CADMIUM	5	HARDNESS	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1459	41.516799	362.95684	60573	5	12000	58733	243.24843	454.78754	14286710	1	17000	0.1273	0.0001	1431	*
CADMIUM	5	HARDNESS	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	771	9.652122	11.552708	7441.78571	5	140	58733	243.24843	454.78754	14286710	1	17000	0.06876	0.0955	589	
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1459	41.516799	362.95684	60573	5	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1459	41.516799	362.95684	60573	5	12000	16528	3675.8675	37212	60754738	10	2800000	0.70711	0.0001	785	*
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1459	41.516799	362.95684	60573	5	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.07414	0.0049	1441	*
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	1459	41.516799	362.95684	60573	5	12000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	771	9.652122	11.552708	7441.78571	5	140	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	771	9.652122	11.552708	7441.78571	5	140	16528	3675.8675	37212	60754738	10	2800000	0.74178	0.0001	642	*
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	771	9.652122	11.552708	7441.78571	5	140	43140	5389.2633	68858	232492818	0.1	2750000	0.85761	0.0001	544	*
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	771	9.652122	11.552708	7441.78571	5	140	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1459	41.5168	362.95684	60573	5	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1459	41.5168	362.95684	60573	5	12000	15168	581.52304	3916.8679	8820541	1	160000	0.30823	0.0001	779	*
CADMIUM	5	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1459	41.5168	362.95684	60573	5	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.08389	0.0015	1424	*
CADMIUM	5	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	771	9.65212	11.55271	7441.78571	5	140	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	771	9.65212	11.55271	7441.78571	5	140	15168	581.52304	3916.8679	8820541	1	160000	0.43478	0.0001	648	*
CADMIUM	5	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	771	9.65212	11.55271	7441.78571	5	140	42074	243.3273	2387.0571	10237753	0.01	151000	0.42387	0.0001	543	*
CADMIUM	5	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1459	41.516799	362.95684	60573	5	12000	5608	0.136363	0.791919	764.723333	0.1	50	0.92541	0.0001	416	*
CADMIUM	5	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1459	41.516799	362.95684	60573	5	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.02996	0.5974	313	
CADMIUM	5	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	771	9.652122	11.552708	7441.78571	5	140	5608	0.136363	0.791919	764.723333	0.1	50	-0.00186	0.9877	71	
CADMIUM	5	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	771	9.652122	11.552708	7441.78571	5	140	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.09681	0.0666	360	
CADMIUM	5	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1459	41.516799	362.95684	60573	5	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.23477	0.0001	1264	*
CADMIUM	5	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1459	41.516799	362.95684	60573	5	12000	12890	18.184867	47.752014	234403	1	2400	0.79121	0.0001	544	*
CADMIUM	5	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	771	9.652122	11.552708	7441.78571	5	140	19215	76.162741	672.33574	1463467	0.5	17000	0.80719	0.0001	484	*
CADMIUM	5	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	771	9.652122	11.552708	7441.78571	5	140	12890	18.184867	47.752014	234403	1	2400	0.75882	0.0001	587	*
CADMIUM	5	NITRATE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1459	41.516799	362.95684	60573	5	12000	27516	2.33807	13.946496	64334	0.001	1800	0.01855	0.8042	181	
CADMIUM	5	NITRATE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	771	9.652122	11.552708	7441.78571	5	140	27516	2.33807	13.946496	64334	0.001	1800	0.17644	0.1501	68	
CADMIUM	5	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1459	41.516799	362.95684	60573	5	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.01832	0.6941	463	
CADMIUM	5	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1459	41.516799	362.95684	60573	5	12000	10597	0.022854	0.115399	242.179118	0.001	10.121687	0.03909	0.636	149	
CADMIUM	5	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	771	9.652122	11.552708	7441.78571	5	140	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.08025	0.307	164	
CADMIUM	5	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	771	9.652122	11.552708	7441.78571	5	140	10597	0.022854	0.115399	242.179118	0.001	10.121687	-0.06228	0.7264	34	
CADMIUM	5	PH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1459	41.516799	362.95684	60573	5	12000	99613	7.568676	0.845555	753938	0.1	14	-0.00373	0.8892	1400	
CADMIUM	5	PH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	771	9.652122	11.552708	7441.78571	5	140	99613	7.568676	0.845555	753938	0.1	14	-0.35303	0.0001	683	*
CADMIUM	5	RADIUM-226	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1459	41.516799	362.95684	60573	5	12000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1459	41.516799	362.95684	60573	5	12000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1459	41.516799	362.95684	60573	5	12000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	771	9.652122	11.552708	7441.78571	5	140	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	771	9.652122	11.552708	7441.78571	5	140	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	3	
CADMIUM	5	[illegible]DIUM-226	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	771	[illegible]52122	11.552708	7441.78571	5	140	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	[illegible]N/A	3	
CADMIUM	[illegible]	[illegible]ON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76002	RADON 222-PE-P76002-(PCI/L)	145[illegible]	[illegible]99	362.95684	60573	5	12000	102	37.441176	53.295844	3819	15	330	#N/[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible] and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	0	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	20131	4.525946	98.232558	91112	0.01	12000	1005	21.559701	50.912504	21668	1	500	0.22321	0.0151	118	*
CADMIUM	0	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	16049	2.254265	3.179993	36179	1	140	352	30.269574	23.93811	10655	0.1	50	0.71632	0.0001	89	*
CADMIUM	0	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	16049	2.254265	3.179993	36179	1	140	1005	21.559701	50.912504	21668	1	500	0.31583	0.0001	846	*
CADMIUM	0	TURBIDITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	20131	4.525946	98.232558	91112	0.01	12000	34709	38.379662	405.66108	1332120	0.1	36500	-0.0087	0.3749	10403	
CADMIUM	0	TURBIDITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	16049	2.254265	3.179993	36179	1	140	34709	38.379662	405.66108	1332120	0.1	36500	-0.00242	0.824	8461	
CADMIUM	0	WELL-DEPTH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	20131	4.525946	98.232558	91112	0.01	12000	581	398.67981	390.97008	231633	3	1980	-0.38767	0.3427	8	
CADMIUM	0	WELL-DEPTH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	16049	2.254265	3.179993	36179	1	140	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
CADMIUM	5	ALKALINITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1459	41.516799	362.95684	60573	5	12000	8351	141.86443	79.888743	1184710	0.9	1800	-0.22271	0.0158	117	*
CADMIUM	5	ALKALINITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	771	9.652122	11.552708	7441.78571	5	140	8351	141.86443	79.888743	1184710	0.9	1800	0.23934	0.2027	30	
CADMIUM	5	ANTIMONY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1459	41.516799	362.95684	60573	5	12000	3697	8.682685	216.40147	32100	0.2	12000	0.99989	0.0001	299	*
CADMIUM	5	ANTIMONY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1459	41.516799	362.95684	60573	5	12000	969	27.159099	88.389881	26317	1	350	-0.72457	0.0005	19	*
CADMIUM	5	ANTIMONY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	771	9.652122	11.552708	7441.78571	5	140	3697	8.682685	216.40147	32100	0.2	12000	-0.19093	0.1986	47	
CADMIUM	5	ANTIMONY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	771	9.652122	11.552708	7441.78571	5	140	969	27.159099	88.389881	26317	1	350	-0.52436	0.0001	97	*
CADMIUM	5	ARSENIC	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1459	41.516799	362.95684	60573	5	12000	10397	18.293928	493.01898	190202	1	32000	0.46805	0.0001	1220	*
CADMIUM	5	ARSENIC	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1459	41.516799	362.95684	60573	5	12000	9000	8.138151	50.541445	73243	1	3100	0.18976	0.0001	508	*
CADMIUM	5	ARSENIC	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	771	9.652122	11.552708	7441.78571	5	140	10397	18.293928	493.01898	190202	1	32000	-0.06805	0.2384	302	
CADMIUM	5	ARSENIC	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	771	9.652122	11.552708	7441.78571	5	140	9000	8.138151	50.541445	73243	1	3100	0.01926	0.6681	498	
CADMIUM	5	BARIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1459	41.516799	362.95684	60573	5	12000	19173	53.91325	102.63829	1033679	0.2	12000	0.99262	0.0001	1201	*
CADMIUM	5	BARIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1459	41.516799	362.95684	60573	5	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1459	41.516799	362.95684	60573	5	12000	7990	86.273276	96.975617	689323	5	3000	-0.0499	0.3506	352	
CADMIUM	5	BARIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	771	9.652122	11.552708	7441.78571	5	140	19173	53.91325	102.63829	1033679	0.2	12000	-0.13669	0.0022	500	*
CADMIUM	5	BARIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	771	9.652122	11.552708	7441.78571	5	140	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	771	9.652122	11.552708	7441.78571	5	140	7990	86.273276	96.975617	689323	5	3000	0.04244	0.464	300	
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1459	41.5168	362.95684	60573	5	12000	13507	4.19948	113.72045	56722	0.05	12000	0.99772	0.0001	836	*
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1459	41.5168	362.95684	60573	5	12000	9762	3.45088	8.24248	33687	0.5	710	0.92185	0.0001	210	*
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	771	9.65212	11.55271	7441.78571	5	140	13507	4.19948	113.72045	56722	0.05	12000	0.85582	0.0001	263	*
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	771	9.65212	11.55271	7441.78571	5	140	9762	3.45088	8.24248	33687	0.5	710	0.70133	0.0001	338	*
CADMIUM	5	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1459	41.516799	362.95684	60573	5	12000	17823	7.326853	100.60661	130587	0.01	12000	0.98782	0.0001	1333	*
CADMIUM	5	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1459	41.516799	362.95684	60573	5	12000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	1	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1459	41.516799	362.95684	60573	5	12000	14432	5.940315	14.892349	85731	1	765	0.15174	0.0003	563	*
CADMIUM	5	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	771	9.652122	11.552708	7441.78571	5	140	17823	7.326853	100.60661	130587	0.01	12000	0.27398	0.0001	504	*
CADMIUM	5	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	771	9.652122	11.552708	7441.78571	5	140	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	771	9.652122	11.552708	7441.78571	5	140	14432	5.940315	14.892349	85731	1	765	0.20193	0.0001	609	*
CADMIUM	5	CONDUCTANCE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1459	41.516799	362.95684	60573	5	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.62452	0.0001	1237	*
CADMIUM	5	CONDUCTANCE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	771	9.652122	11.552708	7441.78571	5	140	151404	835.24242	7585.0802	126459043	1	2400000	0.05757	0.1297	694	
CADMIUM	5	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1459	41.516799	362.95684	60573	5	12000	4413	0.026723	0.713462	117.928667	0.001	42	0.09836	0.2327	149	
CADMIUM	5	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1459	41.516799	362.95684	60573	5	12000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	98	
CADMIUM	5	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	771	9.652122	11.552708	7441.78571	5	140	4413	0.026723	0.713462	117.928667	0.001	42	-0.03101	0.7121	144	
CADMIUM	5	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	771	9.652122	11.552708	7441.78571	5	140	307	0.052834	0.444387	16.22	0.01	6	0	1	3	
CADMIUM	5	DEPTH-BELOW-LAN	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1459	41.516799	362.95684	60573	5	12000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
CADMIUM	5	DEPTH-BELOW-LAN	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	771	9.652122	11.552708	7441.78571	5	140	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-OXYGE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1459	41.516799	362.95684	60573	5	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.14314	0.0001	997	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	0	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	16049	2.254265	3.179993	36179	1	140	307	0.052834	0.444387	16.22	0.01	6	-0.06089	0.4669	145	
CADMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	20131	4.525946	98.232558	91112	0.01	12000	178	43.107191	64.532141	7673.08	0.01	544	-0.37845	0.4025	7	
CADMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	16049	2.254265	3.179993	36179	1	140	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
CADMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	20131	4.525946	98.232558	91112	0.01	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.015	0.0491	17202	*
CADMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	16049	2.254265	3.179993	36179	1	140	83235	542.51758	153897	45156451	0.1	44400000	-0.00458	0.5958	13413	
CADMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	20131	4.525946	98.232558	91112	0.01	12000	45639	642.85223	3429.8776	29339133	3	322000	0.24957	0.0001	11015	*
CADMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	16049	2.254265	3.179993	36179	1	140	45639	642.85223	3429.8776	29339133	3	322000	0.20274	0.0001	7288	*
CADMIUM	0	HARDNESS	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	20131	4.525946	98.232558	91112	0.01	12000	58733	243.24843	454.78754	14286710	1	17000	0.12609	0.0001	18894	*
CADMIUM	0	HARDNESS	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	16049	2.254265	3.179993	36179	1	140	58733	243.24843	454.78754	14286710	1	17000	0.13341	0.0001	13937	*
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	20131	4.525946	98.232558	91112	0.01	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	20131	4.525946	98.232558	91112	0.01	12000	16528	3675.8875	37212	60754738	10	2800000	0.42694	0.0001	10330	*
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	20131	4.525946	98.232558	91112	0.01	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.10539	0.0001	17489	*
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	20131	4.525946	98.232558	91112	0.01	12000	160	49223	258519	7875716	0.02	2440000	0.09362	0.74	15	
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	16049	2.254265	3.179993	36179	1	140	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	16049	2.254265	3.179993	36179	1	140	16528	3675.8875	37212	60754738	10	2800000	0.56957	0.0001	12491	*
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	16049	2.254265	3.179993	36179	1	140	43140	5389.2633	68858	232492818	0.1	2750000	0.76503	0.0001	11012	*
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	16049	2.254265	3.179993	36179	1	140	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	20131	4.52595	98.23256	91112	0.01	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	7	
CADMIUM	0	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	20131	4.52595	98.23256	91112	0.01	12000	15168	581.52304	3916.8679	8820541	1	160000	0.27981	0.0001	10118	*
CADMIUM	0	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	20131	4.52595	98.23256	91112	0.01	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.09019	0.0001	17602	*
CADMIUM	0	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	16049	2.25427	3.17999	36179	1	140	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	16049	2.25427	3.17999	36179	1	140	15168	581.52304	3916.8679	8820541	1	160000	0.39959	0.0001	11737	*
CADMIUM	0	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	16049	2.25427	3.17999	36179	1	140	42074	243.3273	2387.0571	10237753	0.01	151000	0.39196	0.0001	10699	*
CADMIUM	0	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	20131	4.525946	98.232558	91112	0.01	12000	5608	0.136363	0.791919	764.723333	0.1	50	0.84376	0.0001	4297	*
CADMIUM	0	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	20131	4.525946	98.232558	91112	0.01	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.02923	0.0149	6938	*
CADMIUM	0	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	16049	2.254265	3.179993	36179	1	140	5608	0.136363	0.791919	764.723333	0.1	50	0.05708	0.0472	1210	*
CADMIUM	0	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	16049	2.254265	3.179993	36179	1	140	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.01346	0.1764	10087	
CADMIUM	0	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	20131	4.525946	98.232558	91112	0.01	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.25334	0.0001	15058	*
CADMIUM	0	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	20131	4.525946	98.232558	91112	0.01	12000	12890	18.184867	47.752014	234403	1	2400	0.73577	0.0001	8834	*
CADMIUM	0	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	16049	2.254265	3.179993	36179	1	140	19215	76.162741	672.33574	1463467	0.5	17000	0.76743	0.0001	9054	*
CADMIUM	0	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	16049	2.254265	3.179993	36179	1	140	12890	18.184867	47.752014	234403	1	2400	0.6929	0.0001	12301	*
CADMIUM	0	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	20131	4.525946	98.232558	91112	0.01	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.03006	0.008	7796	*
CADMIUM	0	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	20131	4.525946	98.232558	91112	0.01	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.00521	0.8526	1276	
CADMIUM	0	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	16049	2.254265	3.179993	36179	1	140	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.03264	0.0301	4415	*
CADMIUM	0	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	16049	2.254265	3.179993	36179	1	140	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.00399	0.6551	2098	
CADMIUM	0	PH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	20131	4.525946	98.232558	91112	0.01	12000	99613	7.568676	0.845555	753938	0.1	14	-0.04871	0.0001	19215	*
CADMIUM	0	PH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	16049	2.254265	3.179993	36179	1	140	99613	7.568676	0.845555	753938	0.1	14	-0.22895	0.0001	15174	*
CADMIUM	0	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	20131	4.525946	98.232558	91112	0.01	12000	15132	5.739795	49.016961	86855	1	3000	0.34268	0.0001	7302	*
CADMIUM	0	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	20131	4.525946	98.232558	91112	0.01	12000	7729	6.108779	70.618386	47215	1	5800	0.12475	0.0001	3201	*
CADMIUM	0	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	16049	2.254265	3.179993	36179	1	140	15132	5.739795	49.016961	86855	1	3000	0.39136	0.0001	2048	*
CADMIUM	[illegible]	[illegible]ENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	16049	[illegible]265	3.179993	36179	1	140	7729	6.108779	70.618386	47215	1	5800	0.2[illegible]	[illegible]0001	6317	*
CADMIUM	[illegible]	[illegible]LLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	20131	[illegible]46	98.232558	91112	0.01	12000	352	30.269574	23.93811	10655	0.1	50	0.8[illegible]	[illegible]001	310	*

Appendix E-threshold. National Correlation analysis. Correlation c[illegible] and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	PH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2561	10.31511	13.96515	26417	4	710	99613	7.56868	0.84556	753938	0.1	14	-0.19872	0.0001	2373	*
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	792	56.92418	466.75093	45084	4	12000	10	0.11	0.03162	1.1	0.1	0.2	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	792	56.92418	466.75093	45084	4	12000	624	0.11043	0.22195	68.91	0.02	3	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	792	56.92418	466.75093	45084	4	12000	578	0.02664	0.03834	15.4	0.007	0.48	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2561	10.31511	13.96515	26417	4	710	10	0.11	0.03162	1.1	0.1	0.2	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2561	10.31511	13.96515	26417	4	710	624	0.11043	0.22195	68.91	0.02	3	#N/A	#N/A	5	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2561	10.31511	13.96515	26417	4	710	578	0.02664	0.03834	15.4	0.007	0.48	#N/A	#N/A	3	
BERYLLIUM	4	RADON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	792	56.92418	466.75093	45084	4	12000	102	37.44118	53.29584	3819	15	330	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	792	56.92418	466.75093	45084	4	12000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	2561	10.31511	13.96515	26417	4	710	102	37.44118	53.29584	3819	15	330	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2561	10.31511	13.96515	26417	4	710	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	792	56.92418	466.75093	45084	4	12000	15132	5.7398	49.01696	86855	1	3000	0.51465	0.0001	511	*
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	792	56.92418	466.75093	45084	4	12000	7729	6.10878	70.61839	47215	1	5800	-0.55847	0.0001	113	*
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2561	10.31511	13.96515	26417	4	710	15132	5.7398	49.01696	86855	1	3000	-0.29354	0.0001	588	*
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2561	10.31511	13.96515	26417	4	710	7729	6.10878	70.61839	47215	1	5800	-0.02688	0.1851	2432	
BERYLLIUM	4	SULFATE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	792	56.92418	466.75093	45084	4	12000	61449	203.15791	972.75089	12483850	0.01	64000	0.56304	0.0001	776	*
BERYLLIUM	4	SULFATE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2561	10.31511	13.96515	26417	4	710	61449	203.15791	972.75089	12483850	0.01	64000	0.43562	0.0001	2275	*
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	792	56.92418	466.75093	45084	4	12000	352	30.26957	23.93811	10655	0.1	50	0.50394	0.0001	184	*
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	792	56.92418	466.75093	45084	4	12000	1005	21.5597	50.9125	21668	1	500	-0.32733	0.3559	10	
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2561	10.31511	13.96515	26417	4	710	352	30.26957	23.93811	10655	0.1	50	-0.76659	0.0001	46	*
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2561	10.31511	13.96515	26417	4	710	1005	21.5597	50.9125	21668	1	500	0.00401	0.9139	727	
BERYLLIUM	4	TURBIDITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	792	56.92418	466.75093	45084	4	12000	34709	38.37966	405.66107	1332120	0.1	36500	-0.09909	0.3008	111	
BERYLLIUM	4	TURBIDITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	2561	10.31511	13.96515	26417	4	710	34709	38.37966	405.66107	1332120	0.1	36500	-0.02983	0.4756	574	
BERYLLIUM	4	URANIUM-235	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	792	56.92418	466.75093	45084	4	12000	26	0.14615	0.12403	3.8	0.1	0.6	#N/A	#N/A	0	
BERYLLIUM	4	URANIUM-235	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2561	10.31511	13.96515	26417	4	710	26	0.14615	0.12403	3.8	0.1	0.6	#N/A	#N/A	16	
BERYLLIUM	4	URANIUM-238	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	792	56.92418	466.75093	45084	4	12000	26	2.01769	3.11241	52.46	0.1	12	#N/A	#N/A	0	
BERYLLIUM	4	URANIUM-238	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2561	10.31511	13.96515	26417	4	710	26	2.01769	3.11241	52.46	0.1	12	#N/A	#N/A	16	
BERYLLIUM	4	WELL-DEPTH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	792	56.92418	466.75093	45084	4	12000	581	398.67981	390.97008	231633	3	1980	-1	#N/A	2	
BERYLLIUM	4	WELL-DEPTH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	2561	10.31511	13.96515	26417	4	710	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
CADMIUM	0	ALKALINITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	20131	4.525946	98.232558	91112	0.01	12000	8351	141.86443	79.888743	1184710	0.9	1800	-0.06076	0.0241	1378	*
CADMIUM	0	ALKALINITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	16049	2.254265	3.179993	36179	1	140	8351	141.86443	79.888743	1184710	0.9	1800	-0.05018	0.1226	948	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	20131	4.525946	98.232558	91112	0.01	12000	17823	7.326853	100.60661	130587	0.01	12000	0.98724	0.0001	17522	*
CADMIUM	0	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	20131	4.525946	98.232558	91112	0.01	12000	880	1.170455	1.484249	1030	1	20	-0.12731	0.0004	778	*
CADMIUM	0	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	20131	4.525946	98.232558	91112	0.01	12000	14432	5.940315	14.892349	85731	1	765	0.3005	0.0001	9232	*
CADMIUM	0	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	16049	2.254265	3.179993	36179	1	140	17823	7.326853	100.60661	130587	0.01	12000	0.5161	0.0001	9195	*
CADMIUM	0	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	16049	2.254265	3.179993	36179	1	140	880	1.170455	1.484249	1030	1	20	-0.0077	0.8205	870	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	16049	2.254265	3.179993	36179	1	140	14432	5.940315	14.892349	85731	1	765	0.31124	0.0001	13672	*
CADMIUM	0	CONDUCTANCE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	20131	4.525946	98.232558	91112	0.01	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.56458	0.0001	18212	*
CADMIUM	0	CONDUCTANCE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	16049	2.254265	3.179993	36179	1	140	151404	835.24242	7585.0802	126459043	1	2400000	0.10174	0.0001	14915	*
CADMIUM	0	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	20131	4.525946	98.232558	91112	0.01	12000	4413	0.026723	0.713462	117.928667	0.001	42	-0.00273	0.8911	2512	
CADMIUM	0	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	20131	4.525946	98.232558	91112	0.01	12000	307	0.052834	0.444387	16.22	0.01	6	-0.08388	0.1557	288	
CADMIUM	0	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	16049	2.254265	3.179993	36179	1	140	4413	0.026723	0.713462	117.928667	0.001	42	0.00496	0.7597	3805	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	CONDUCTANCE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2561	10.31511	13.96515	26417	4	710	151404	835.24242	7585.0803	126459043	1	2400000	0.15364	0.0001	2374	*
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	792	56.92418	466.75093	45084	4	12000	4413	0.02672	0.71346	117.92867	0.001	42	0.32267	0.0112	61	*
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	792	56.92418	466.75093	45084	4	12000	307	0.05283	0.44439	16.22	0.01	6	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2561	10.31511	13.96515	26417	4	710	4413	0.02672	0.71346	117.92867	0.001	42	0.17556	0.0001	1006	*
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2561	10.31511	13.96515	26417	4	710	307	0.05283	0.44439	16.22	0.01	6	#N/A	#N/A	0	
BERYLLIUM	4	DEPTH-BELOW-LAN	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	792	56.92418	466.75093	45084	4	12000	178	43.10719	64.53214	7673.08	0.01	544	-1	#N/A	2	
BERYLLIUM	4	DEPTH-BELOW-LAN	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2561	10.31511	13.96515	26417	4	710	178	43.10719	64.53214	7673.08	0.01	544	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-OXYGE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	792	56.92418	466.75093	45084	4	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.20265	0.0003	319	*
BERYLLIUM	4	DISSOLVED-OXYGE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2561	10.31511	13.96515	26417	4	710	83235	542.51758	153897	45156451	0.1	44400000	-0.1143	0.0001	1792	*
BERYLLIUM	4	DISSOLVED-SOLID	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	792	56.92418	466.75093	45084	4	12000	45639	642.85223	3429.8776	29339133	3	322000	0.6184	0.0001	230	*
BERYLLIUM	4	DISSOLVED-SOLID	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2561	10.31511	13.96515	26417	4	710	45639	642.85223	3429.8776	29339133	3	322000	0.00151	0.9469	1953	
BERYLLIUM	4	HARDNESS	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	792	56.92418	466.75093	45084	4	12000	58733	243.24843	454.78754	14286710	1	17000	0.29223	0.0001	784	*
BERYLLIUM	4	HARDNESS	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2561	10.31511	13.96515	26417	4	710	58733	243.24843	454.78754	14286710	1	17000	0.17678	0.0001	2357	*
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	792	56.92418	466.75093	45084	4	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	792	56.92418	466.75093	45084	4	12000	16528	3675.8675	37212	60754738	10	2800000	0.83914	0.0001	290	*
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	792	56.92418	466.75093	45084	4	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.03546	0.3198	789	
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	792	56.92418	466.75093	45084	4	12000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2561	10.31511	13.96515	26417	4	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2561	10.31511	13.96515	26417	4	710	16528	3675.8675	37212	60754738	10	2800000	0.68457	0.0001	1558	*
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2561	10.31511	13.96515	26417	4	710	43140	5389.2633	68858	232492818	0.1	2750000	0.76528	0.0001	732	*
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	2561	10.31511	13.96515	26417	4	710	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	792	56.92418	466.75093	45084	4	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	792	56.92418	466.75093	45084	4	12000	15168	581.52304	3916.8679	8820541	1	160000	0.61977	0.0001	286	*
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	792	56.92418	466.75093	45084	4	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.07646	0.0352	759	*
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2561	10.31511	13.96515	26417	4	710	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2561	10.31511	13.96515	26417	4	710	15168	581.52304	3916.8679	8820541	1	160000	0.42823	0.0001	1386	*
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2561	10.31511	13.96515	26417	4	710	42074	243.3273	2387.0571	10237753	0.01	151000	0.39578	0.0001	761	*
BERYLLIUM	4	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	792	56.92418	466.75093	45084	4	12000	5608	0.13636	0.79192	764.72333	0.1	50	-0.28344	0.003	108	*
BERYLLIUM	4	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	792	56.92418	466.75093	45084	4	12000	11068	0.11845	0.36208	1310.95512	0.04	28.33333	-0.10969	0.2291	122	
BERYLLIUM	4	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2561	10.31511	13.96515	26417	4	710	5608	0.13636	0.79192	764.72333	0.1	50	-0.20592	0.0001	335	*
BERYLLIUM	4	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2561	10.31511	13.96515	26417	4	710	11068	0.11845	0.36208	1310.95512	0.04	28.33333	0.02689	0.1987	2287	
BERYLLIUM	4	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	792	56.92418	466.75093	45084	4	12000	19215	76.16274	672.33574	1463467	0.5	17000	0.20151	0.0001	781	*
BERYLLIUM	4	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	792	56.92418	466.75093	45084	4	12000	12890	18.18487	47.75201	234403	1	2400	0.89366	0.0001	144	*
BERYLLIUM	4	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2561	10.31511	13.96515	26417	4	710	19215	76.16274	672.33574	1463467	0.5	17000	0.69892	0.0001	548	*
BERYLLIUM	4	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2561	10.31511	13.96515	26417	4	710	12890	18.18487	47.75201	234403	1	2400	0.16775	0.0001	2539	*
BERYLLIUM	4	NITRATE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	792	56.92418	466.75093	45084	4	12000	27516	2.33807	13.9465	64334	0.001	1800	0.03485	0.7698	73	
BERYLLIUM	4	NITRATE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2561	10.31511	13.96515	26417	4	710	27516	2.33807	13.9465	64334	0.001	1800	-0.01469	0.6469	963	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	792	56.92418	466.75093	45084	4	12000	49228	0.03417	0.17881	1682.36412	0.001	7.1	0.04002	0.6512	130	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	792	56.92418	466.75093	45084	4	12000	10597	0.02285	0.1154	242.17912	0.001	10.12167	-0.00026	0.9972	179	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2561	10.31511	13.96515	26417	4	710	49228	0.03417	0.17881	1682.36412	0.001	7.1	-0.00077	0.9764	1468	
BERYLLIUM	[illegible]	[illegible]RITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	256[illegible]	[illegible]511	13.96515	26417	4	710	10597	0.02285	0.1154	242.17912	0.001	10.12167	0.0[illegible]	[illegible]8515	456	
BERYLLIUM	[illegible]	[illegible]	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	792[illegible]	[illegible]2418	466.75093	45084	4	12000	99613	7.56868	0.84556	753938	0.1	14	0.06[illegible]	[illegible]0551	773	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	NITRITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	9762	3.45088	8.24248	33687	0.5	710	10597	0.02285	0.1154	242.17912	0.001	10.12187	0.07766	0.0146	989	*
BERYLLIUM	0	PH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	13507	4.19948	113.72045	56722	0.05	12000	99613	7.56866	0.84556	753938	0.1	14	-0.04156	0.0001	13247	*
BERYLLIUM	0	PH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	9762	3.45088	8.24248	33687	0.5	710	99613	7.56866	0.84556	753938	0.1	14	-0.10822	0.0001	9485	*
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	13507	4.19948	113.72045	56722	0.05	12000	15132	5.7398	49.01696	86855	1	3000	0.41943	0.0001	4416	*
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	13507	4.19948	113.72045	56722	0.05	12000	7729	6.10878	70.61839	47215	1	5800	0.02658	0.2154	2174	
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	9762	3.45088	8.24248	33687	0.5	710	15132	5.7398	49.01696	86855	1	3000	0.0511	0.145	815	
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	9762	3.45088	8.24248	33687	0.5	710	7729	6.10878	70.61839	47215	1	5800	-0.0364	0.0154	4427	*
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	13507	4.19948	113.72045	56722	0.05	12000	352	30.26957	23.93811	10655	0.1	50	0.78535	0.0001	276	*
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	13507	4.19948	113.72045	56722	0.05	12000	1005	21.5597	50.9125	21668	1	500	0.16812	0.0168	202	*
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	9762	3.45088	8.24248	33687	0.5	710	352	30.26957	23.93811	10655	0.1	50	-0.28	0.0217	67	*
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	9762	3.45088	8.24248	33687	0.5	710	1005	21.5597	50.9125	21668	1	500	0.21604	0.0001	945	*
BERYLLIUM	0	TURBIDITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	13507	4.19948	113.72045	56722	0.05	12000	34709	38.37966	405.66107	1332120	0.1	36500	-0.00141	0.8931	9042	
BERYLLIUM	0	TURBIDITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	9762	3.45088	8.24248	33687	0.5	710	34709	38.37966	405.66107	1332120	0.1	36500	0.07175	0.0001	7381	*
BERYLLIUM	0	WELL-DEPTH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	13507	4.19948	113.72045	56722	0.05	12000	581	398.67981	390.97008	231633	3	1980	-0.40834	0.3152	8	
BERYLLIUM	0	WELL-DEPTH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	9762	3.45088	8.24248	33687	0.5	710	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BERYLLIUM	4	ALKALINITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	792	56.92418	466.75093	45084	4	12000	8351	141.86443	79.88874	1184710	0.9	1800	#N/A	#N/A	12	
BERYLLIUM	4	ALKALINITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2561	10.31511	13.96515	26417	4	710	8351	141.86443	79.88874	1184710	0.9	1800	#N/A	#N/A	510	
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	792	56.92418	466.75093	45084	4	12000	3697	8.68269	216.40147	32100	0.2	12000	0.9999	0.0001	263	*
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	792	56.92418	466.75093	45084	4	12000	969	27.1591	88.38988	26317	1	350	-0.8761	0.0001	54	*
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2561	10.31511	13.96515	26417	4	710	3697	8.68269	216.40147	32100	0.2	12000	-0.5349	0.0001	251	*
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2561	10.31511	13.96515	26417	4	710	969	27.1591	88.38988	26317	1	350	-0.01719	0.6935	528	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	792	56.92418	466.75093	45084	4	12000	10397	18.29393	493.01898	190202	1	32000	0.42787	0.0001	743	*
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	792	56.92418	466.75093	45084	4	12000	9000	8.13815	50.54144	73243	1	3100	0.02721	0.7739	114	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2561	10.31511	13.96515	26417	4	710	10397	18.29393	493.01898	190202	1	32000	-0.00236	0.9636	377	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2561	10.31511	13.96515	26417	4	710	9000	8.13815	50.54144	73243	1	3100	0.08875	0.0001	2458	*
BERYLLIUM	4	BARIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	792	56.92418	466.75093	45084	4	12000	19173	53.91325	102.63829	1033679	0.2	12000	0.99577	0.0001	724	*
BERYLLIUM	4	BARIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	792	56.92418	466.75093	45084	4	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	792	56.92418	466.75093	45084	4	12000	7990	86.27328	96.97562	689323	5	3000	-0.50563	0.0002	50	*
BERYLLIUM	4	BARIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2561	10.31511	13.96515	26417	4	710	19173	53.91325	102.63829	1033679	0.2	12000	-0.06327	0.1191	608	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2561	10.31511	13.96515	26417	4	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2561	10.31511	13.96515	26417	4	710	7990	86.27328	96.97562	689323	5	3000	0.18659	0.0001	677	*
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	792	56.92418	466.75093	45084	4	12000	20131	4.52595	98.23256	91112	0.01	12000	0.99756	0.0001	756	*
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	792	56.92418	466.75093	45084	4	12000	16049	2.25427	3.17999	36179	1	140	0.81199	0.0001	142	*
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2561	10.31511	13.96515	26417	4	710	20131	4.52595	98.23256	91112	0.01	12000	0.66602	0.0001	546	*
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2561	10.31511	13.96515	26417	4	710	16049	2.25427	3.17999	36179	1	140	0.65751	0.0001	2541	*
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	792	56.92418	466.75093	45084	4	12000	17823	7.32685	100.60661	130587	0.01	12000	0.99076	0.0001	760	*
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	792	56.92418	466.75093	45084	4	12000	880	1.17045	1.48425	1030	1	20	#N/A	#N/A	32	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	792	56.92418	466.75093	45084	4	12000	14432	5.94031	14.89235	85731	1	765	0.41645	0.0001	144	*
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2561	10.31511	13.96515	26417	4	710	17823	7.32685	100.60661	130587	0.01	12000	0.59913	0.0001	537	*
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2561	10.31511	13.96515	26417	4	710	880	1.17045	1.48425	1030	1	20	0.02857	0.8686	36	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2561	10.31511	13.96515	26417	4	710	14432	5.94031	14.89235	85731	1	765	0.56219	0.0001	2543	*
BERYLLIUM	4	CONDUCTANCE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	792	56.92418	466.75093	45084	4	12000	151404	835.24242	7585.0803	126459043	1	2400000	0.84317	0.0001	605	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	9762	3.45088	8.24248	33687	0.5	710	17823	7.32685	100.60661	130587	0.01	12000	0.06354	0.0001	7155	*
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	9762	3.45088	8.24248	33687	0.5	710	880	1.17045	1.48425	1030	1	20	-0.08499	0.1885	241	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	9762	3.45088	8.24248	33687	0.5	710	14432	5.94031	14.89235	85731	1	765	0.40987	0.0001	9724	*
BERYLLIUM	0	CONDUCTANCE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	13507	4.19948	113.72045	56722	0.05	12000	151404	835.24242	7585.0803	126459043	1	2400000	0.8003	0.0001	13137	*
BERYLLIUM	0	CONDUCTANCE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	9762	3.45088	8.24248	33687	0.5	710	151404	835.24242	7585.0803	126459043	1	2400000	-0.06712	0.0001	9534	*
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	13507	4.19948	113.72045	56722	0.05	12000	4413	0.02672	0.71346	117.92867	0.001	42	-0.00312	0.8768	2468	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	13507	4.19948	113.72045	56722	0.05	12000	307	0.05283	0.44439	16.22	0.01	6	0.10814	0.2842	100	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	9762	3.45088	8.24248	33687	0.5	710	4413	0.02672	0.71346	117.92867	0.001	42	0.02329	0.1686	3496	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	9762	3.45088	8.24248	33687	0.5	710	307	0.05283	0.44439	16.22	0.01	6	0	1	8	
BERYLLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	13507	4.19948	113.72045	56722	0.05	12000	178	43.10719	64.53214	7673.08	0.01	544	-0.57065	0.6134	3	
BERYLLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	9762	3.45088	8.24248	33687	0.5	710	178	43.10719	64.53214	7673.08	0.01	544	#N/A	#N/A	0	
BERYLLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	13507	4.19948	113.72045	56722	0.05	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.01525	0.0933	12113	
BERYLLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	9762	3.45088	8.24248	33687	0.5	710	83235	542.51758	153897	45156451	0.1	44400000	-0.03512	0.001	8851	*
BERYLLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	13507	4.19948	113.72045	56722	0.05	12000	45639	642.85223	3429.8776	29339133	3	322000	0.62432	0.0001	7332	*
BERYLLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	9762	3.45088	8.24248	33687	0.5	710	45639	642.85223	3429.8776	29339133	3	322000	-0.13903	0.0001	4136	*
BERYLLIUM	0	HARDNESS	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	13507	4.19948	113.72045	56722	0.05	12000	58733	243.24843	454.78754	14286710	1	17000	0.2987	0.0001	13384	*
BERYLLIUM	0	HARDNESS	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	9762	3.45088	8.24248	33687	0.5	710	58733	243.24843	454.78754	14286710	1	17000	-0.24829	0.0001	9510	*
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	13507	4.19948	113.72045	56722	0.05	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	13507	4.19948	113.72045	56722	0.05	12000	16528	3675.8675	37212	60754738	10	2800000	0.38643	0.0001	7514	*
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	13507	4.19948	113.72045	56722	0.05	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.09044	0.0001	13209	*
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	13507	4.19948	113.72045	56722	0.05	12000	160	49223	258519	7875716	0.02	2440000	-0.26414	0.3415	15	
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	9762	3.45088	8.24248	33687	0.5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	9762	3.45088	8.24248	33687	0.5	710	16528	3675.8675	37212	60754738	10	2800000	0.26204	0.0001	8485	*
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	9762	3.45088	8.24248	33687	0.5	710	43140	5389.2633	68858	232492818	0.1	2750000	0.36987	0.0001	7519	*
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	9762	3.45088	8.24248	33687	0.5	710	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	13507	4.19948	113.72045	56722	0.05	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	7	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	13507	4.19948	113.72045	56722	0.05	12000	15168	581.52304	3916.8679	8820541	1	160000	0.33595	0.0001	7432	*
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	13507	4.19948	113.72045	56722	0.05	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.08265	0.0001	13307	*
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	9762	3.45088	8.24248	33687	0.5	710	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	9762	3.45088	8.24248	33687	0.5	710	15168	581.52304	3916.8679	8820541	1	160000	0.21569	0.0001	8312	*
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	9762	3.45088	8.24248	33687	0.5	710	42074	243.3273	2387.0571	10237753	0.01	151000	0.27055	0.0001	7392	*
BERYLLIUM	0	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	13507	4.19948	113.72045	56722	0.05	12000	5608	0.13636	0.79192	764.72333	0.1	50	-0.00814	0.7025	2204	
BERYLLIUM	0	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	13507	4.19948	113.72045	56722	0.05	12000	11068	0.11845	0.36208	1310.95512	0.04	28.33333	0.05022	0.0002	5570	*
BERYLLIUM	0	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	9762	3.45088	8.24248	33687	0.5	710	5608	0.13636	0.79192	764.72333	0.1	50	-0.00621	0.8889	509	
BERYLLIUM	0	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	9762	3.45088	8.24248	33687	0.5	710	11068	0.11845	0.36208	1310.95512	0.04	28.33333	0.11983	0.0001	7522	*
BERYLLIUM	0	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	13507	4.19948	113.72045	56722	0.05	12000	19215	76.16274	672.33574	1463467	0.5	17000	0.2308	0.0001	13199	*
BERYLLIUM	0	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	13507	4.19948	113.72045	56722	0.05	12000	12890	18.18487	47.75201	234403	1	2400	0.66425	0.0001	7460	*
BERYLLIUM	0	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	9762	3.45088	8.24248	33687	0.5	710	19215	76.16274	672.33574	1463467	0.5	17000	0.36427	0.0001	7203	*
BERYLLIUM	0	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	9762	3.45088	8.24248	33687	0.5	710	12890	18.18487	47.75201	234403	1	2400	0.14992	0.0001	9736	*
BERYLLIUM	0	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	13507	4.19948	113.72045	56722	0.05	12000	49228	0.03417	0.17881	1682.36412	0.001	7.1	0.00907	0.517	5103	
BERYLLIUM	[illegible]	[illegible]RITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	13507	[illegible]	113.72045	56722	0.05	12000	10597	0.02285	0.1154	242.17912	0.001	10.12167	0.0[illegible]	[illegible].1621	512	
BERYLLIUM	[illegible]	[illegible]RITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	9762	[illegible]	8.24248	33687	0.5	710	49228	0.03417	0.17881	1682.36412	0.001	7.1	0.0[illegible]	[illegible].0803	1733	

Appendix E-threshold. National Correlation analysis. Correlation [redacted]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	RADON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	4	5250	4555.2168	21000	2500	12000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
BARIUM	2000	RADON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	4	5250	4555.2168	21000	2500	12000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
BARIUM	2000	RADON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
BARIUM	2000	RADON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
BARIUM	2000	RADON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	6	2383.3333	386.86776	14300	2000	3000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
BARIUM	2000	RADON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	6	2383.3333	386.86776	14300	2000	3000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4	5250	4555.2168	21000	2500	12000	15132	5.739795	49.016961	86855	1	3000	0.80753	0.1925	4	
BARIUM	2000	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4	5250	4555.2168	21000	2500	12000	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	6	2383.3333	386.86776	14300	2000	3000	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	6	2383.3333	386.86776	14300	2000	3000	7729	6.108779	70.618386	47215	1	5800	-0.41076	0.4185	6	
BARIUM	2000	SULFATE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	4	5250	4555.2168	21000	2500	12000	61449	203.15791	972.75089	12483850	0.01	64000	0.97389	0.0261	4	*
BARIUM	2000	SULFATE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
BARIUM	2000	SULFATE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	6	2383.3333	386.86776	14300	2000	3000	61449	203.15791	972.75089	12483850	0.01	64000	-0.45932	0.4364	5	
BARIUM	2000	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4	5250	4555.2168	21000	2500	12000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4	5250	4555.2168	21000	2500	12000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	6	2383.3333	386.86776	14300	2000	3000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	6	2383.3333	386.86776	14300	2000	3000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	4	5250	4555.2168	21000	2500	12000	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	6	2383.3333	386.86776	14300	2000	3000	34709	38.379662	405.66108	1332120	0.1	36500	-0.33337	0.5835	5	
BARIUM	2000	URANIUM-235	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4	5250	4555.2168	21000	2500	12000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
BARIUM	2000	URANIUM-235	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
BARIUM	2000	URANIUM-235	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	6	2383.3333	386.86776	14300	2000	3000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
BARIUM	2000	URANIUM-238	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4	5250	4555.2168	21000	2500	12000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
BARIUM	2000	URANIUM-238	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
BARIUM	2000	URANIUM-238	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	6	2383.3333	386.86776	14300	2000	3000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	4	5250	4555.2168	21000	2500	12000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	6	2383.3333	386.86776	14300	2000	3000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BERYLLIUM	0	ALKALINITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	13507	4.19948	113.72045	56722	0.05	12000	8351	141.86443	79.88874	1184710	0.9	1800	0.04968	0.1047	1068	
BERYLLIUM	0	ALKALINITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	9762	3.45088	8.24248	33687	0.5	710	8351	141.86443	79.88874	1184710	0.9	1800	-0.01415	0.7494	512	
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	13507	4.19948	113.72045	56722	0.05	12000	20131	4.52595	98.23256	91112	0.01	12000	0.99751	0.0001	13350	*
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	13507	4.19948	113.72045	56722	0.05	12000	16049	2.25427	3.17999	36179	1	140	0.58804	0.0001	7546	*
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	9762	3.45088	8.24248	33687	0.5	710	20131	4.52595	98.23256	91112	0.01	12000	0.2727	0.0001	7222	*
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	9762	3.45088	8.24248	33687	0.5	710	16049	2.25427	3.17999	36179	1	140	0.00508	0.6183	9630	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	13507	4.19948	113.72045	56722	0.05	12000	17823	7.32885	100.60661	130587	0.01	12000	0.98986	0.0001	13283	*
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	13507	4.19948	113.72045	56722	0.05	12000	880	1.17045	1.48425	1030	1	20	-0.11501	0.1242	180	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	13507	4.19948	113.72045	56722	0.05	12000	14432	5.94031	14.89235	85731	1	765	0.13272	0.0001	7473	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4	5250	4555.2168	21000	2500	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4	5250	4555.2168	21000	2500	12000	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4	5250	4555.2168	21000	2500	12000	42074	243.3273	2387.0571	10237753	0.01	151000	1	0.0001	4	*
BARIUM	2000	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	6	2383.3333	386.86776	14300	2000	3000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	6	2383.3333	386.86776	14300	2000	3000	15168	581.52304	3916.8679	8820541	1	160000	0.24406	0.6412	6	
BARIUM	2000	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	6	2383.3333	386.86776	14300	2000	3000	42074	243.3273	2387.0571	10237753	0.01	151000	0.72413	0.2759	4	
BARIUM	2000	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4	5250	4555.2168	21000	2500	12000	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4	5250	4555.2168	21000	2500	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	6	2383.3333	386.86776	14300	2000	3000	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	6	2383.3333	386.86776	14300	2000	3000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.25345	0.6808	5	
BARIUM	2000	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4	5250	4555.2168	21000	2500	12000	19215	76.162741	672.33574	1463467	0.5	17000	1	0.0001	4	*
BARIUM	2000	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4	5250	4555.2168	21000	2500	12000	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	6	2383.3333	386.86776	14300	2000	3000	19215	76.162741	672.33574	1463467	0.5	17000	-0.57035	0.4296	4	
BARIUM	2000	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	6	2383.3333	386.86776	14300	2000	3000	12890	18.184867	47.752014	234403	1	2400	-0.48395	0.5161	4	
BARIUM	2000	NITRATE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4	5250	4555.2168	21000	2500	12000	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
BARIUM	2000	NITRATE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
BARIUM	2000	NITRATE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	6	2383.3333	386.86776	14300	2000	3000	27516	2.33807	13.946496	64334	0.001	1800	-1	#N/A	2	
BARIUM	2000	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4	5250	4555.2168	21000	2500	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4	5250	4555.2168	21000	2500	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	6	2383.3333	386.86776	14300	2000	3000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.67937	0.3206	4	
BARIUM	2000	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	6	2383.3333	386.86776	14300	2000	3000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
BARIUM	2000	PH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4	5250	4555.2168	21000	2500	12000	99613	7.568676	0.845555	753938	0.1	14	-0.99698	0.003	4	*
BARIUM	2000	PH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
BARIUM	2000	PH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	6	2383.3333	386.86776	14300	2000	3000	99613	7.568676	0.845555	753938	0.1	14	0.34693	0.5005	6	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4	5250	4555.2168	21000	2500	12000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4	5250	4555.2168	21000	2500	12000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4	5250	4555.2168	21000	2500	12000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	6	2383.3333	386.86776	14300	2000	3000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
BARIUM	[illegible]	[illegible]ADIUM-226	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	6	[illegible]3.3333	386.86776	14300	2000	3000	624	0.110433	0.221947	68.91	0.02	3	#N/[illegible]	#N/A	0	
BARIUM	[illegible]	[illegible]ADIUM-226	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	[illegible]	[illegible]3333	386.86776	14300	2000	3000	578	0.026644	0.038336	15.4	0.007	0.48	#N[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4	5250	4555.2168	21000	2500	12000	17823	7.326853	100.60661	130587	0.01	12000	1	0.0001	4	*
BARIUM	2000	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4	5250	4555.2168	21000	2500	12000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4	5250	4555.2168	21000	2500	12000	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	6	2383.3333	386.86776	14300	2000	3000	17823	7.326853	100.60661	130587	0.01	12000	-0.57035	0.4296	4	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	6	2383.3333	386.86776	14300	2000	3000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	6	2383.3333	386.86776	14300	2000	3000	14432	5.940315	14.892349	85731	1	765	0.66803	0.147	6	
BARIUM	2000	CONDUCTANCE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4	5250	4555.2168	21000	2500	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.94852	0.0515	4	
BARIUM	2000	CONDUCTANCE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	6	2383.3333	386.86776	14300	2000	3000	151404	835.24242	7585.0802	126459043	1	2400000	-0.03763	0.9436	6	
BARIUM	2000	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4	5250	4555.2168	21000	2500	12000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4	5250	4555.2168	21000	2500	12000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	6	2383.3333	386.86776	14300	2000	3000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	2	
BARIUM	2000	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	6	2383.3333	386.86776	14300	2000	3000	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4	5250	4555.2168	21000	2500	12000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	6	2383.3333	386.86776	14300	2000	3000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4	5250	4555.2168	21000	2500	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.91858	0.2587	3	
BARIUM	2000	DISSOLVED-OXYGE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	6	2383.3333	386.86776	14300	2000	3000	83235	542.51758	153897	45156451	0.1	44400000	-0.74236	0.2576	4	
BARIUM	2000	DISSOLVED-SOLID	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4	5250	4555.2168	21000	2500	12000	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	1	
BARIUM	2000	DISSOLVED-SOLID	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	6	2383.3333	386.86776	14300	2000	3000	45639	642.85223	3429.8776	29339133	3	322000	-0.22701	0.7135	5	
BARIUM	2000	HARDNESS	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4	5250	4555.2168	21000	2500	12000	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	1	
BARIUM	2000	HARDNESS	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	6	2383.3333	386.86776	14300	2000	3000	58733	243.24843	454.78754	14286710	1	17000	-0.23523	0.7033	5	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4	5250	4555.2168	21000	2500	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4	5250	4555.2168	21000	2500	12000	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4	5250	4555.2168	21000	2500	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.92263	0.0774	4	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	4	5250	4555.2168	21000	2500	12000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	6	2383.3333	386.86776	14300	2000	3000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	6	2383.3333	386.86776	14300	2000	3000	16528	3675.8675	37212	60754738	10	2800000	0.73974	0.0928	6	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	6	2383.3333	386.86776	14300	2000	3000	43140	5389.2633	68858	232492818	0.1	2750000	0.41938	0.4821	5	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	6	2383.3333	386.86776	14300	2000	3000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
BARIUM	0	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	7990	86.273276	96.975617	689323	5	3000	15132	5.739795	49.016961	86855	1	3000	0.02067	0.6237	566	
BARIUM	0	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	7990	86.273276	96.975617	689323	5	3000	7729	6.108779	70.618386	47215	1	5800	0.03117	0.109	2645	
BARIUM	0	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	19173	53.91325	102.63829	1033679	0.2	12000	352	30.269574	23.93811	10655	0.1	50	-0.40586	0.0001	287	*
BARIUM	0	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	19173	53.91325	102.63829	1033679	0.2	12000	1005	21.559701	50.912504	21668	1	500	-0.13713	0.0431	218	*
BARIUM	0	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
BARIUM	0	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
BARIUM	0	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7990	86.273276	96.975617	689323	5	3000	352	30.269574	23.93811	10655	0.1	50	-0.19594	0.2256	40	
BARIUM	0	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7990	86.273276	96.975617	689323	5	3000	1005	21.559701	50.912504	21668	1	500	-0.07574	0.3029	187	
BARIUM	0	TURBIDITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	19173	53.91325	102.63829	1033679	0.2	12000	34709	38.379662	405.66108	1332120	0.1	36500	0.03544	0.0001	13936	*
BARIUM	0	TURBIDITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
BARIUM	0	TURBIDITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	7990	86.273276	96.975617	689323	5	3000	34709	38.379662	405.66108	1332120	0.1	36500	0.42165	0.0001	6784	*
BARIUM	0	WELL-DEPTH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	19173	53.91325	102.63829	1033679	0.2	12000	581	398.67981	390.97008	231633	3	1980	-0.56514	0.1444	8	
BARIUM	0	WELL-DEPTH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BARIUM	0	WELL-DEPTH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	7990	86.273276	96.975617	689323	5	3000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BARIUM	2000	ALKALINITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4	5250	4555.2168	21000	2500	12000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
BARIUM	2000	ALKALINITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
BARIUM	2000	ALKALINITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	6	2383.3333	386.86776	14300	2000	3000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4	5250	4555.2168	21000	2500	12000	3697	8.682685	216.40147	32100	0.2	12000	1	0.0001	4	*
BARIUM	2000	ANTIMONY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4	5250	4555.2168	21000	2500	12000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	6	2383.3333	386.86776	14300	2000	3000	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	3	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	6	2383.3333	386.86776	14300	2000	3000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4	5250	4555.2168	21000	2500	12000	10397	18.293928	493.01898	190202	1	32000	-0.90481	0.0952	4	
BARIUM	2000	ARSENIC	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4	5250	4555.2168	21000	2500	12000	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	6	2383.3333	386.86776	14300	2000	3000	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	6	2383.3333	386.86776	14300	2000	3000	9000	8.138151	50.541445	73243	1	3100	0.14585	0.7828	6	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4	5250	4555.2168	21000	2500	12000	13507	4.19948	113.72045	56722	0.05	12000	1	0.0001	4	*
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4	5250	4555.2168	21000	2500	12000	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	6	2383.3333	386.86776	14300	2000	3000	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	4	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	6	2383.3333	386.86776	14300	2000	3000	9762	3.45088	8.24248	33687	0.5	710	-0.57035	0.4296	4	
BARIUM	2000	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4	5250	4555.2168	21000	2500	12000	20131	4.525946	98.232558	91112	0.01	12000	1	0.0001	4	*
BARIUM	2000	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4	5250	4555.2168	21000	2500	12000	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
BARIUM	[illegible]	ADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	[illegible]	[illegible].3333	386.86776	14300	2000	3000	20131	4.525946	98.232558	91112	0.01	12000	-0.5[illegible]	0.4296	4	
BARIUM	[illegible]	ADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	[illegible]	[illegible].3333	386.86776	14300	2000	3000	16049	2.254265	3.179993	36179	1	140	-0[illegible]	0.3709	6	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	19173	53.91325	102.63829	1033679	0.2	12000	160	49223	258519	7875716	0.02	2440000	-0.22214	0.4262	15	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	7990	86.273276	96.975617	689323	5	3000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	7990	86.273276	96.975617	689323	5	3000	16528	3675.8675	37212	60754738	10	2800000	0.40804	0.0001	7849	*
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	7990	86.273276	96.975617	689323	5	3000	43140	5389.2633	68858	232492818	0.1	2750000	-0.02134	0.0677	7330	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	7990	86.273276	96.975617	689323	5	3000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	19173	53.91325	102.63829	1033679	0.2	12000	7	1.71429	0.48795	12	1	2	-0.02451	0.9584	7	
BARIUM	0	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	19173	53.91325	102.63829	1033679	0.2	12000	15168	581.52304	3916.8679	8820541	1	160000	0.0052	0.6363	8273	
BARIUM	0	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	19173	53.91325	102.63829	1033679	0.2	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.04961	0.0001	19046	*
BARIUM	0	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	7990	86.27328	96.97562	689323	5	3000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	7990	86.27328	96.97562	689323	5	3000	15168	581.52304	3916.8679	8820541	1	160000	0.16374	0.0001	7831	*
BARIUM	0	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	7990	86.27328	96.97562	689323	5	3000	42074	243.3273	2387.0571	10237753	0.01	151000	-0.01768	0.1323	7251	
BARIUM	0	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	19173	53.91325	102.63829	1033679	0.2	12000	5608	0.136363	0.791919	764.723333	0.1	50	-0.0159	0.3912	2911	
BARIUM	0	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	19173	53.91325	102.63829	1033679	0.2	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.03847	0.0027	6067	*
BARIUM	0	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
BARIUM	0	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
BARIUM	0	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	7990	86.273276	96.975617	689323	5	3000	5608	0.136363	0.791919	764.723333	0.1	50	-0.01803	0.7375	348	
BARIUM	0	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	7990	86.273276	96.975617	689323	5	3000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.18294	0.0001	5773	*
BARIUM	0	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	19173	53.91325	102.63829	1033679	0.2	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.16678	0.0001	17668	*
BARIUM	0	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	19173	53.91325	102.63829	1033679	0.2	12000	12890	18.184867	47.752014	234403	1	2400	-0.02354	0.0357	7958	*
BARIUM	0	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
BARIUM	0	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
BARIUM	0	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	7990	86.273276	96.975617	689323	5	3000	19215	76.162741	672.33574	1463467	0.5	17000	-0.02186	0.0685	6946	
BARIUM	0	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	7990	86.273276	96.975617	689323	5	3000	12890	18.184867	47.752014	234403	1	2400	0.08225	0.0001	7796	*
BARIUM	0	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	19173	53.91325	102.63829	1033679	0.2	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.03238	0.0012	9957	*
BARIUM	0	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	19173	53.91325	102.63829	1033679	0.2	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.01174	0.7213	926	
BARIUM	0	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
BARIUM	0	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
BARIUM	0	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	7990	86.273276	96.975617	689323	5	3000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.03145	0.3422	914	
BARIUM	0	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	7990	86.273276	96.975617	689323	5	3000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.01114	0.9194	85	
BARIUM	0	PH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	19173	53.91325	102.63829	1033679	0.2	12000	99613	7.568676	0.845555	753938	0.1	14	0.09029	0.0001	18752	*
BARIUM	0	PH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
BARIUM	0	PH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7990	86.273276	96.975617	689323	5	3000	99613	7.568676	0.845555	753938	0.1	14	-0.03171	0.0049	7881	*
BARIUM	0	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	19173	53.91325	102.63829	1033679	0.2	12000	15132	5.739795	49.016961	86855	1	3000	0.3185	0.0001	9731	*
BARIUM	0	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	19173	53.91325	102.63829	1033679	0.2	12000	7729	6.108779	70.618386	47215	1	5800	-0.09123	0.0001	2880	*
BARIUM	0	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	7990	86.27328	96.97562	689323	5	3000	13507	4.19948	113.72045	56722	0.05	12000	-0.02731	0.0249	6748	*
BARIUM	0	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	7990	86.27328	96.97562	689323	5	3000	9762	3.45088	8.24248	33687	0.5	710	0.23275	0.0001	7328	*
BARIUM	0	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	19173	53.91325	102.63829	1033679	0.2	12000	20131	4.525946	98.232558	91112	0.01	12000	0.94298	0.0001	14660	*
BARIUM	0	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	19173	53.91325	102.63829	1033679	0.2	12000	16049	2.254265	3.179993	36179	1	140	-0.08985	0.0001	8336	*
BARIUM	0	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
BARIUM	0	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
BARIUM	0	CADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	7990	86.273276	96.975617	689323	5	3000	20131	4.525946	98.232558	91112	0.01	12000	-0.01575	0.1868	6967	
BARIUM	0	CADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	7990	86.273276	96.975617	689323	5	3000	16049	2.254265	3.179993	36179	1	140	0.00832	0.4629	7788	
BARIUM	0	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	19173	53.91325	102.63829	1033679	0.2	12000	17823	7.326853	100.60661	130587	0.01	12000	0.92262	0.0001	14725	*
BARIUM	0	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	19173	53.91325	102.63829	1033679	0.2	12000	880	1.170455	1.484249	1030	1	20	-0.07511	0.4508	103	
BARIUM	0	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	19173	53.91325	102.63829	1033679	0.2	12000	14432	5.940315	14.892349	85731	1	765	-0.0809	0.0001	8231	*
BARIUM	0	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	7990	86.273276	96.975617	689323	5	3000	17823	7.326853	100.60661	130587	0.01	12000	0.01915	0.1074	7069	
BARIUM	0	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	7990	86.273276	96.975617	689323	5	3000	880	1.170455	1.484249	1030	1	20	-0.05997	0.6955	45	
BARIUM	0	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	7990	86.273276	96.975617	689323	5	3000	14432	5.940315	14.892349	85731	1	765	0.49802	0.0001	7987	*
BARIUM	0	CONDUCTANCE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	19173	53.91325	102.63829	1033679	0.2	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.50022	0.0001	18643	*
BARIUM	0	CONDUCTANCE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
BARIUM	0	CONDUCTANCE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7990	86.273276	96.975617	689323	5	3000	151404	835.24242	7585.0802	126459043	1	2400000	0.03545	0.0016	7932	*
BARIUM	0	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	19173	53.91325	102.63829	1033679	0.2	12000	4413	0.026723	0.713462	117.928667	0.001	42	0.00509	0.7999	2478	
BARIUM	0	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	19173	53.91325	102.63829	1033679	0.2	12000	307	0.052834	0.444387	16.22	0.01	6	0.34642	0.0001	208	*
BARIUM	0	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
BARIUM	0	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
BARIUM	0	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	7990	86.273276	96.975617	689323	5	3000	4413	0.026723	0.713462	117.928667	0.001	42	-0.00198	0.9225	2426	
BARIUM	0	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	7990	86.273276	96.975617	689323	5	3000	307	0.052834	0.444387	16.22	0.01	6	0	1	29	
BARIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	19173	53.91325	102.63829	1033679	0.2	12000	178	43.107191	64.532141	7673.08	0.01	544	-0.21787	0.8602	3	
BARIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7990	86.273276	96.975617	689323	5	3000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	19173	53.91325	102.63829	1033679	0.2	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.01913	0.0114	17485	*
BARIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7990	86.273276	96.975617	689323	5	3000	83235	542.51758	153897	45156451	0.1	44400000	-0.03406	0.0027	7780	*
BARIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	19173	53.91325	102.63829	1033679	0.2	12000	45639	642.85223	3429.8776	29339133	3	322000	0.27188	0.0001	12625	*
BARIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7990	86.273276	96.975617	689323	5	3000	45639	642.85223	3429.8776	29339133	3	322000	0.0506	0.0108	2537	*
BARIUM	0	HARDNESS	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	19173	53.91325	102.63829	1033679	0.2	12000	58733	243.24843	454.78754	14286710	1	17000	0.18665	0.0001	18987	*
BARIUM	0	HARDNESS	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
BARIUM	0	HARDNESS	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	7990	86.273276	96.975617	689323	5	3000	58733	243.24843	454.78754	14286710	1	17000	0.01038	0.3629	7691	
BARIUM	0	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	19173	53.91325	102.63829	1033679	0.2	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	[illegible]	[illegible]ON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1917[illegible]	[illegible]1325	102.63829	1033679	0.2	12000	16528	3675.8675	37212	60754738	10	2800000	-0.0[illegible]	[illegible]0001	8380	*
BARIUM	[illegible]	[illegible]ON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1917[illegible]	[illegible]1325	102.63829	1033679	0.2	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.0[illegible]	[illegible]0712	18870	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	927	171.22188	1644.0901	158723	20	32000	27516	2.33807	13.946496	64334	0.001	1800	-0.16081	0.1118	99	
ARSENIC	20	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	622	74.015082	179.35668	46037	20	3100	27516	2.33807	13.946496	64334	0.001	1800	-0.14262	0.3283	49	
ARSENIC	20	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	927	171.22188	1644.0901	158723	20	32000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.02967	0.679	197	
ARSENIC	20	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	927	171.22188	1644.0901	158723	20	32000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.02893	0.7262	149	
ARSENIC	20	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	622	74.015082	179.35668	46037	20	3100	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.12203	0.3107	71	
ARSENIC	20	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	622	74.015082	179.35668	46037	20	3100	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.11924	0.5789	24	
ARSENIC	20	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	927	171.22188	1644.0901	158723	20	32000	99613	7.568676	0.845555	753938	0.1	14	0.09436	0.005	884	*
ARSENIC	20	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	622	74.015082	179.35668	46037	20	3100	99613	7.568676	0.845555	753938	0.1	14	-0.02448	0.5465	609	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	624	0.110433	0.221947	68.91	0.02	3	0.76573	0.2343	4	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	578	0.026644	0.038336	15.4	0.007	0.48	0.76239	0.2376	4	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	622	74.015082	179.35668	46037	20	3100	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	622	74.015082	179.35668	46037	20	3100	624	0.110433	0.221947	68.91	0.02	3	1	#N/A	2	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	622	74.015082	179.35668	46037	20	3100	578	0.026644	0.038336	15.4	0.007	0.48	1	#N/A	2	
ARSENIC	20	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	102	37.441176	53.295844	3819	15	330	0.64969	0.3503	4	
ARSENIC	20	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	102	318.25	498.76308	32462	24	3300	0.79462	0.2054	4	
ARSENIC	20	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	622	74.015082	179.35668	46037	20	3100	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
ARSENIC	20	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	622	74.015082	179.35668	46037	20	3100	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	927	171.22188	1644.0901	158723	20	32000	15132	5.739795	49.016961	86855	1	3000	0.3882	0.0001	546	*
ARSENIC	20	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	927	171.22188	1644.0901	158723	20	32000	7729	6.108779	70.618386	47215	1	5800	-0.08553	0.303	147	
ARSENIC	20	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	622	74.015082	179.35668	46037	20	3100	15132	5.739795	49.016961	86855	1	3000	-0.05449	0.4638	183	
ARSENIC	20	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	622	74.015082	179.35668	46037	20	3100	7729	6.108779	70.618386	47215	1	5800	-0.04001	0.5331	245	
ARSENIC	20	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	927	171.22188	1644.0901	158723	20	32000	61449	203.15791	972.75089	12483850	0.01	64000	0.24287	0.0001	831	*
ARSENIC	20	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	622	74.015082	179.35668	46037	20	3100	61449	203.15791	972.75089	12483850	0.01	64000	0.05645	0.2749	376	
ARSENIC	20	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	927	171.22188	1644.0901	158723	20	32000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	186	
ARSENIC	20	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	927	171.22188	1644.0901	158723	20	32000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	622	74.015082	179.35668	46037	20	3100	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	622	74.015082	179.35668	46037	20	3100	1005	21.559701	50.912504	21668	1	500	0.95529	0.0001	26	*
ARSENIC	20	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	927	171.22188	1644.0901	158723	20	32000	34709	38.379662	405.66108	1332120	0.1	36500	-0.05946	0.6575	58	
ARSENIC	20	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	622	74.015082	179.35668	46037	20	3100	34709	38.379662	405.66108	1332120	0.1	36500	0.17654	0.206	53	
ARSENIC	20	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
ARSENIC	20	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	622	74.015082	179.35668	46037	20	3100	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	1	
ARSENIC	20	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	927	171.22188	1644.0901	158723	20	32000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
ARSENIC	20	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	622	74.015082	179.35668	46037	20	3100	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	1	
ARSENIC	20	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	927	171.22188	1644.0901	158723	20	32000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
ARSENIC	20	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	622	74.015082	179.35668	46037	20	3100	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	19173	53.91325	102.63829	1033679	0.2	12000	8351	141.86443	79.888743	1184710	0.9	1800	0.27734	0.0001	1921	*
BARIUM	0	ALKALINITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7990	86.273276	96.975617	689323	5	3000	8351	141.86443	79.888743	1184710	0.9	1800	-0.19323	0.0116	170	*
BARIUM	0	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	19173	53.91325	102.63829	1033679	0.2	12000	13507	4.19948	113.72045	56722	0.05	12000	0.9471	0.0001	13135	*
BARIUM	0	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	19173	53.91325	102.63829	1033679	0.2	12000	9762	3.45088	8.24248	33687	0.5	710	-0.08385	0.0001	7228	*
BARIUM	0	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	927	171.22188	1644.0901	158723	20	32000	17823	7.326853	100.60661	130587	0.01	12000	0.42498	0.0001	555	*
ARSENIC	20	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	927	171.22188	1644.0901	158723	20	32000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	927	171.22188	1644.0901	158723	20	32000	14432	5.940315	14.892349	85731	1	765	0.06786	0.5524	79	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	622	74.015082	179.35668	46037	20	3100	17823	7.326853	100.60661	130587	0.01	12000	-0.02867	0.6766	214	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	622	74.015082	179.35668	46037	20	3100	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	622	74.015082	179.35668	46037	20	3100	14432	5.940315	14.892349	85731	1	765	0.05411	0.4409	205	
ARSENIC	20	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	927	171.22188	1644.0901	158723	20	32000	151404	835.24242	7585.0802	126459043	1	2400000	0.53064	0.0001	733	*
ARSENIC	20	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	622	74.015082	179.35668	46037	20	3100	151404	835.24242	7585.0802	126459043	1	2400000	0.04782	0.2379	611	
ARSENIC	20	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	927	171.22188	1644.0901	158723	20	32000	4413	0.028723	0.713462	117.928667	0.001	42	0.3773	0.4609	6	
ARSENIC	20	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	927	171.22188	1644.0901	158723	20	32000	307	0.052834	0.444387	16.22	0.01	6	-0.03337	0.8199	49	
ARSENIC	20	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	622	74.015082	179.35668	46037	20	3100	4413	0.028723	0.713462	117.928667	0.001	42	-0.06457	0.6961	39	
ARSENIC	20	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	622	74.015082	179.35668	46037	20	3100	307	0.052834	0.444387	16.22	0.01	6	-0.14385	0.2419	68	
ARSENIC	20	DEPTH-BELOW-LAN	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	927	171.22188	1644.0901	158723	20	32000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
ARSENIC	20	DEPTH-BELOW-LAN	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	622	74.015082	179.35668	46037	20	3100	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	927	171.22188	1644.0901	158723	20	32000	83235	542.51758	153897	45156451	0.1	44400000	-0.07135	0.0583	705	
ARSENIC	20	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	622	74.015082	179.35668	46037	20	3100	83235	542.51758	153897	45156451	0.1	44400000	0.03411	0.5034	387	
ARSENIC	20	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	927	171.22188	1644.0901	158723	20	32000	45639	642.65223	3429.8776	29339133	3	322000	0.38144	0.0001	427	*
ARSENIC	20	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	622	74.015082	179.35668	46037	20	3100	45639	642.65223	3429.8776	29339133	3	322000	0.35455	0.0001	304	*
ARSENIC	20	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	927	171.22188	1644.0901	158723	20	32000	58733	243.24843	454.78754	14286710	1	17000	-0.00865	0.8239	664	
ARSENIC	20	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	622	74.015082	179.35668	46037	20	3100	58733	243.24843	454.78754	14286710	1	17000	0.04022	0.4011	438	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	927	171.22188	1644.0901	158723	20	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	927	171.22188	1644.0901	158723	20	32000	16528	3675.8675	37212	60754738	10	2800000	0.00576	0.9181	321	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	927	171.22188	1644.0901	158723	20	32000	43140	5389.2633	68858	232492818	0.1	2750000	-0.01855	0.6571	575	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	927	171.22188	1644.0901	158723	20	32000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	622	74.015082	179.35668	46037	20	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	622	74.015082	179.35668	46037	20	3100	16528	3675.8675	37212	60754738	10	2800000	0.75807	0.0001	357	*
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	622	74.015082	179.35668	46037	20	3100	43140	5389.2633	68858	232492818	0.1	2750000	-0.00973	0.8628	318	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	622	74.015082	179.35668	46037	20	3100	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	927	171.22188	1644.0901	158723	20	32000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	927	171.22188	1644.0901	158723	20	32000	15168	581.52304	3916.8679	8820541	1	160000	-0.05641	0.323	309	
ARSENIC	20	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	927	171.22188	1644.0901	158723	20	32000	42074	243.3273	2387.0571	10237753	0.01	151000	0.0895	0.0319	575	*
ARSENIC	20	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	622	74.01508	179.35668	46037	20	3100	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	622	74.01508	179.35668	46037	20	3100	15168	581.52304	3916.8679	8820541	1	160000	0.88866	0.0001	341	*
ARSENIC	20	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	622	74.01508	179.35668	46037	20	3100	42074	243.3273	2387.0571	10237753	0.01	151000	0.01293	0.818	319	
ARSENIC	20	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	927	171.22188	1644.0901	158723	20	32000	5608	0.136363	0.791919	764.723333	0.1	50	0.98795	0.0001	188	*
ARSENIC	20	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	927	171.22188	1644.0901	158723	20	32000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.0542	0.4934	162	
ARSENIC	20	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	622	74.015082	179.35668	46037	20	3100	5608	0.136363	0.791919	764.723333	0.1	50	0.00966	0.906	152	
ARSENIC	20	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	622	74.015082	179.35668	46037	20	3100	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.0426	0.4991	254	
ARSENIC	20	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	927	171.22188	1644.0901	158723	20	32000	19215	76.162741	672.33574	1463467	0.5	17000	0.15151	0.0015	438	*
ARSENIC	20	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	927	171.22188	1644.0901	158723	20	32000	12890	18.184867	47.752014	234403	1	2400	0.61758	0.0001	48	*
ARSENIC	[illegible]	[illegible]KEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	62[illegible]	[illegible]5082	179.35668	46037	20	3100	19215	76.162741	672.33574	1463467	0.5	17000	0.[illegible]	[illegible].9423	139	
ARSENIC	[illegible]	[illegible]KEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	62[illegible]	[illegible]082	179.35668	46037	20	3100	12890	18.184867	47.752014	234403	1	2400	0.[illegible]	[illegible].0218	140	*

Appendix E-threshold. National Correlation analysis. Correlation [redacted]ts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	102	37.441176	53.295844	3819	15	330	-0.30964	0.5504	6	
ARSENIC	10	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	102	318.25	498.76308	32462	24	3300	-0.07008	0.8951	6	
ARSENIC	10	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	1310	42.224286	127.20142	55314	10	3100	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
ARSENIC	10	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1310	42.224286	127.20142	55314	10	3100	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
ARSENIC	10	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1644	102.45089	1236.7536	168429	10	32000	15132	5.739795	49.016961	86855	1	3000	0.38189	0.0001	950	*
ARSENIC	10	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1644	102.45089	1236.7536	168429	10	32000	7729	6.108779	70.618386	47215	1	5800	0.01311	0.8429	231	
ARSENIC	10	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1310	42.224286	127.20142	55314	10	3100	15132	5.739795	49.016961	86855	1	3000	-0.02442	0.6725	302	
ARSENIC	10	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1310	42.224286	127.20142	55314	10	3100	7729	6.108779	70.618386	47215	1	5800	0.00801	0.845	598	
ARSENIC	10	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1644	102.45089	1236.7536	168429	10	32000	61449	203.15791	972.75089	12483850	0.01	64000	0.22521	0.0001	1244	*
ARSENIC	10	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1310	42.224286	127.20142	55314	10	3100	61449	203.15791	972.75089	12483850	0.01	64000	0.03145	0.3329	950	
ARSENIC	10	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1644	102.45089	1236.7536	168429	10	32000	352	30.269574	23.93811	10655	0.1	50	0.71738	0.0001	194	*
ARSENIC	10	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1644	102.45089	1236.7536	168429	10	32000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1310	42.224286	127.20142	55314	10	3100	352	30.269574	23.93811	10655	0.1	50	-0.29277	0.5734	6	
ARSENIC	10	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1310	42.224286	127.20142	55314	10	3100	1005	21.559701	50.912504	21668	1	500	0.12045	0.1673	133	
ARSENIC	10	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	1644	102.45089	1236.7536	168429	10	32000	34709	38.379662	405.66108	1332120	0.1	36500	-0.01769	0.8152	177	
ARSENIC	10	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	1310	42.224286	127.20142	55314	10	3100	34709	38.379662	405.66108	1332120	0.1	36500	-0.03268	0.6451	201	
ARSENIC	10	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	26	0.146154	0.124035	3.8	0.1	0.6	-1	#N/A	2	
ARSENIC	10	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1310	42.224286	127.20142	55314	10	3100	26	0.146154	0.124035	3.8	0.1	0.6	-1	#N/A	2	
ARSENIC	10	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	26	2.017692	3.112414	52.46	0.1	12	-1	#N/A	2	
ARSENIC	10	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1310	42.224286	127.20142	55314	10	3100	26	2.017692	3.112414	52.46	0.1	12	-1	#N/A	2	
ARSENIC	10	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	1644	102.45089	1236.7536	168429	10	32000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
ARSENIC	10	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	1310	42.224286	127.20142	55314	10	3100	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
ARSENIC	20	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	927	171.22188	1644.0901	158723	20	32000	8351	141.86443	79.888743	1184710	0.9	1800	-0.6468	0.0092	15	*
ARSENIC	20	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	622	74.015082	179.35668	46037	20	3100	8351	141.86443	79.888743	1184710	0.9	1800	-0.31348	0.1554	22	
ARSENIC	20	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	927	171.22188	1644.0901	158723	20	32000	3697	8.682685	216.40147	32100	0.2	12000	0.42751	0.0001	376	*
ARSENIC	20	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	927	171.22188	1644.0901	158723	20	32000	969	27.159099	88.389881	26317	1	350	0.69829	0.0002	11	*
ARSENIC	20	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	622	74.015082	179.35668	46037	20	3100	3697	8.682685	216.40147	32100	0.2	12000	0.14604	0.1085	122	
ARSENIC	20	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	622	74.015082	179.35668	46037	20	3100	969	27.159099	88.389881	26317	1	350	0.29734	0.0739	37	
ARSENIC	20	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	927	171.22188	1644.0901	158723	20	32000	19173	53.91325	102.63829	1033679	0.2	12000	0.42532	0.0001	474	*
ARSENIC	20	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	927	171.22188	1644.0901	158723	20	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	927	171.22188	1644.0901	158723	20	32000	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	2	
ARSENIC	20	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	622	74.015082	179.35668	46037	20	3100	19173	53.91325	102.63829	1033679	0.2	12000	-0.14061	0.079	157	
ARSENIC	20	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	622	74.015082	179.35668	46037	20	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	622	74.015082	179.35668	46037	20	3100	7990	86.273276	96.975617	689323	5	3000	0.42138	0.0146	33	*
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	927	171.22188	1644.0901	158723	20	32000	13507	4.19948	113.72045	56722	0.05	12000	0.42761	0.0001	400	*
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	927	171.22188	1644.0901	158723	20	32000	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	11	
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	622	74.01508	179.35668	46037	20	3100	13507	4.19948	113.72045	56722	0.05	12000	-0.02401	0.7981	116	
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	622	74.01508	179.35668	46037	20	3100	9762	3.45088	8.24248	33687	0.5	710	-0.01897	0.8886	57	
ARSENIC	20	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	927	171.22188	1644.0901	158723	20	32000	20131	4.525946	98.232558	91112	0.01	12000	0.46663	0.0001	545	*
ARSENIC	20	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	927	171.22188	1644.0901	158723	20	32000	16049	2.254265	3.179993	36179	1	140	0.15718	0.0708	133	
ARSENIC	20	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	622	74.015082	179.35668	46037	20	3100	20131	4.525946	98.232558	91112	0.01	12000	0.02275	0.6899	310	
ARSENIC	20	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	622	74.015082	179.35668	46037	20	3100	16049	2.254265	3.179993	36179	1	140	0.16473	0.0015	369	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	1644	102.45089	1236.7536	168429	10	32000	83235	542.51758	153897	45156451	0.1	44400000	-0.05616	0.0593	1128	
ARSENIC	10	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	1310	42.224286	127.20142	55314	10	3100	83235	542.51758	153897	45156451	0.1	44400000	0.06721	0.0678	739	
ARSENIC	10	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1644	102.45089	1236.7536	168429	10	32000	45639	642.85223	3429.8776	29339133	3	322000	0.36319	0.0001	962	*
ARSENIC	10	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1310	42.224286	127.20142	55314	10	3100	45639	642.85223	3429.8776	29339133	3	322000	0.1349	0.0002	742	*
ARSENIC	10	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1644	102.45089	1236.7536	168429	10	32000	58733	243.24843	454.78754	14286710	1	17000	-0.00829	0.7626	1332	
ARSENIC	10	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1310	42.224286	127.20142	55314	10	3100	58733	243.24843	454.78754	14286710	1	17000	0.01648	0.601	1010	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1644	102.45089	1236.7536	168429	10	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1644	102.45089	1236.7536	168429	10	32000	16528	3675.8675	37212	60754738	10	2800000	-0.0105	0.7997	586	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1644	102.45089	1236.7536	168429	10	32000	43140	5389.2633	68858	232492818	0.1	2750000	-0.01143	0.6964	1168	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	1644	102.45089	1236.7536	168429	10	32000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1310	42.224286	127.20142	55314	10	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1310	42.224286	127.20142	55314	10	3100	16528	3675.8675	37212	60754738	10	2800000	0.55506	0.0001	924	*
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1310	42.224286	127.20142	55314	10	3100	43140	5389.2633	68858	232492818	0.1	2750000	0.00383	0.9165	753	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	1310	42.224286	127.20142	55314	10	3100	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1644	102.45089	1236.7536	168429	10	32000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1644	102.45089	1236.7536	168429	10	32000	15168	581.52304	3916.8679	8820541	1	160000	-0.01561	0.7114	564	
ARSENIC	10	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1644	102.45089	1236.7536	168429	10	32000	42074	243.3273	2387.0571	10237753	0.01	151000	0.08407	0.0037	1193	*
ARSENIC	10	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1310	42.22429	127.20142	55314	10	3100	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1310	42.22429	127.20142	55314	10	3100	15168	581.52304	3916.8679	8820541	1	160000	0.2985	0.0001	868	*
ARSENIC	10	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1310	42.22429	127.20142	55314	10	3100	42074	243.3273	2387.0571	10237753	0.01	151000	-0.00183	0.9603	740	
ARSENIC	10	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1644	102.45089	1236.7536	168429	10	32000	5608	0.136363	0.791919	764.723333	0.1	50	0.98629	0.0001	440	*
ARSENIC	10	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1644	102.45089	1236.7536	168429	10	32000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.0316	0.612	260	
ARSENIC	10	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1310	42.224286	127.20142	55314	10	3100	5608	0.136363	0.791919	764.723333	0.1	50	0.01331	0.8422	226	
ARSENIC	10	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1310	42.224286	127.20142	55314	10	3100	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.00009	0.9983	602	
ARSENIC	10	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1644	102.45089	1236.7536	168429	10	32000	19215	76.162741	672.33574	1463467	0.5	17000	0.08943	0.0178	702	*
ARSENIC	10	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1644	102.45089	1236.7536	168429	10	32000	12890	18.184867	47.752014	234403	1	2400	0.06655	0.5	105	
ARSENIC	10	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1310	42.224286	127.20142	55314	10	3100	19215	76.162741	672.33574	1463467	0.5	17000	-0.00794	0.9014	246	
ARSENIC	10	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1310	42.224286	127.20142	55314	10	3100	12890	18.184867	47.752014	234403	1	2400	0.14169	0.004	411	*
ARSENIC	10	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1644	102.45089	1236.7536	168429	10	32000	27516	2.33807	13.946496	64334	0.001	1800	-0.1472	0.0554	170	
ARSENIC	10	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1310	42.224286	127.20142	55314	10	3100	27516	2.33807	13.946496	64334	0.001	1800	-0.11011	0.1368	184	
ARSENIC	10	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1644	102.45089	1236.7536	168429	10	32000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.00996	0.8328	452	
ARSENIC	10	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1644	102.45089	1236.7536	168429	10	32000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.11293	0.1487	165	
ARSENIC	10	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1310	42.224286	127.20142	55314	10	3100	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.06596	0.2571	297	
ARSENIC	10	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1310	42.224286	127.20142	55314	10	3100	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.07101	0.4782	102	
ARSENIC	10	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1644	102.45089	1236.7536	168429	10	32000	99613	7.568676	0.845555	753938	0.1	14	0.0662	0.0087	1569	*
ARSENIC	10	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1310	42.224286	127.20142	55314	10	3100	99613	7.568676	0.845555	753938	0.1	14	0.00713	0.7987	1281	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	1	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	624	0.110433	0.221947	68.91	0.02	3	0.16188	0.7948	5	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1644	102.45089	1236.7536	168429	10	32000	578	0.026644	0.038336	15.4	0.007	0.48	0.40992	0.4196	6	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1310	42.224286	127.20142	55314	10	3100	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
ARSENIC	[illegible]	[illegible]DIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1310	[illegible]4286	127.20142	55314	10	3100	624	0.110433	0.221947	68.91	0.02	3	0.9[illegible]	[illegible]0.062	3	
ARSENIC	[illegible]	[illegible]DIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	131[illegible]	[illegible]286	127.20142	55314	10	3100	578	0.026644	0.038336	15.4	0.007	0.48	[illegible]	[illegible]N/A	2	

Appendix E-threshold. National Correlation analysis. Correlation c[illegible] and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	2978	59.462145	920.02159	177078	5	32000	34709	38.379662	405.66108	1332120	0.1	36500	-0.01473	0.7489	475	
ARSENIC	5	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	2427	25.573266	95.165485	62066	5	3100	34709	38.379662	405.66108	1332120	0.1	36500	0.04552	0.2439	657	
ARSENIC	5	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	26	0.146154	0.124035	3.8	0.1	0.6	-0.57656	0.6088	3	
ARSENIC	5	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	26	0.146154	0.124035	3.8	0.1	0.6	-0.99909	0.0272	3	*
ARSENIC	5	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	26	2.017692	3.112414	52.46	0.1	12	-0.40029	0.7378	3	
ARSENIC	5	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	26	2.017692	3.112414	52.46	0.1	12	-0.97582	0.1403	3	
ARSENIC	5	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	2978	59.462145	920.02159	177078	5	32000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
ARSENIC	5	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	2427	25.573266	95.165485	62066	5	3100	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
ARSENIC	10	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1644	102.45089	1236.7536	168429	10	32000	8351	141.86443	79.888743	1184710	0.9	1800	-0.15799	0.1982	68	
ARSENIC	10	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1310	42.224286	127.20142	55314	10	3100	8351	141.86443	79.888743	1184710	0.9	1800	-0.16394	0.1386	83	
ARSENIC	10	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1644	102.45089	1236.7536	168429	10	32000	3697	8.682685	216.40147	32100	0.2	12000	0.42952	0.0001	545	*
ARSENIC	10	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1644	102.45089	1236.7536	168429	10	32000	969	27.159099	88.389881	26317	1	350	0.89408	0.0001	43	*
ARSENIC	10	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1310	42.224286	127.20142	55314	10	3100	3697	8.682685	216.40147	32100	0.2	12000	0.17387	0.0112	212	*
ARSENIC	10	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1310	42.224286	127.20142	55314	10	3100	969	27.159099	88.389881	26317	1	350	-0.0449	0.5657	166	
ARSENIC	10	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1644	102.45089	1236.7536	168429	10	32000	19173	53.91325	102.63829	1033679	0.2	12000	0.42559	0.0001	844	*
ARSENIC	10	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1644	102.45089	1236.7536	168429	10	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1644	102.45089	1236.7536	168429	10	32000	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	2	
ARSENIC	10	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1310	42.224286	127.20142	55314	10	3100	19173	53.91325	102.63829	1033679	0.2	12000	-0.10483	0.0567	331	
ARSENIC	10	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1310	42.224286	127.20142	55314	10	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1310	42.224286	127.20142	55314	10	3100	7990	86.273276	96.975617	689323	5	3000	0.40805	0.0001	138	*
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1644	102.45089	1236.7536	168429	10	32000	13507	4.19948	113.72045	56722	0.05	12000	0.42916	0.0001	652	*
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1644	102.45089	1236.7536	168429	10	32000	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	43	
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1310	42.22429	127.20142	55314	10	3100	13507	4.19948	113.72045	56722	0.05	12000	-0.04953	0.469	216	
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1310	42.22429	127.20142	55314	10	3100	9762	3.45088	8.24248	33687	0.5	710	0.07551	0.2223	263	
ARSENIC	10	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1644	102.45089	1236.7536	168429	10	32000	20131	4.525946	98.232558	91112	0.01	12000	0.46871	0.0001	1118	*
ARSENIC	10	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1644	102.45089	1236.7536	168429	10	32000	16049	2.254265	3.179993	36179	1	140	0.20218	0.0001	390	*
ARSENIC	10	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1310	42.224286	127.20142	55314	10	3100	20131	4.525946	98.232558	91112	0.01	12000	0.02483	0.5021	733	
ARSENIC	10	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1310	42.224286	127.20142	55314	10	3100	16049	2.254265	3.179993	36179	1	140	0.13127	0.0001	975	*
ARSENIC	10	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1644	102.45089	1236.7536	168429	10	32000	17823	7.326853	100.60661	130587	0.01	12000	0.42571	0.0001	955	*
ARSENIC	10	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1644	102.45089	1236.7536	168429	10	32000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1644	102.45089	1236.7536	168429	10	32000	14432	5.940315	14.892349	85731	1	765	0.19994	0.0098	166	*
ARSENIC	10	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1310	42.224286	127.20142	55314	10	3100	17823	7.326853	100.60661	130587	0.01	12000	0.00308	0.9519	387	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1310	42.224286	127.20142	55314	10	3100	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1310	42.224286	127.20142	55314	10	3100	14432	5.940315	14.892349	85731	1	765	0.07502	0.0718	577	
ARSENIC	10	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1644	102.45089	1236.7536	168429	10	32000	151404	835.24242	7585.0802	126459043	1	2400000	0.51572	0.0001	1423	*
ARSENIC	10	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1310	42.224286	127.20142	55314	10	3100	151404	835.24242	7585.0802	126459043	1	2400000	0.02042	0.4649	1283	
ARSENIC	10	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1644	102.45089	1236.7536	168429	10	32000	4413	0.026723	0.713462	117.928667	0.001	42	-0.12327	0.431	43	
ARSENIC	10	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1644	102.45089	1236.7536	168429	10	32000	307	0.052834	0.444387	16.22	0.01	6	-0.03418	0.7664	78	
ARSENIC	10	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1310	42.224286	127.20142	55314	10	3100	4413	0.026723	0.713462	117.928667	0.001	42	0.03666	0.6175	188	
ARSENIC	10	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1310	42.224286	127.20142	55314	10	3100	307	0.052834	0.444387	16.22	0.01	6	-0.11987	0.2804	83	
ARSENIC	10	DEPTH-BELOW-LAN	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1644	102.45089	1236.7536	168429	10	32000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
ARSENIC	10	DEPTH-BELOW-LAN	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1310	42.224286	127.20142	55314	10	3100	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2978	59.46214	920.02159	177078	5	32000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	1	
ARSENIC	5	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2978	59.46214	920.02159	177078	5	32000	15168	581.52304	3916.8679	8820541	1	160000	-0.00309	0.9241	952	
ARSENIC	5	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2978	59.46214	920.02159	177078	5	32000	42074	243.3273	2387.0571	10237753	0.01	151000	0.07974	0.0001	2394	*
ARSENIC	5	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2427	25.57327	95.16548	62066	5	3100	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2427	25.57327	95.16548	62066	5	3100	15168	581.52304	3916.8679	8820541	1	160000	0.30278	0.0001	1653	*
ARSENIC	5	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2427	25.57327	95.16548	62066	5	3100	42074	243.3273	2387.0571	10237753	0.01	151000	0.00506	0.8463	1468	
ARSENIC	5	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2978	59.462145	920.02159	177078	5	32000	5608	0.136363	0.791919	764.723333	0.1	50	0.97944	0.0001	1163	*
ARSENIC	5	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2978	59.462145	920.02159	177078	5	32000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.08504	0.0855	410	
ARSENIC	5	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2427	25.573266	95.165485	62066	5	3100	5608	0.136363	0.791919	764.723333	0.1	50	0.00218	0.9654	397	
ARSENIC	5	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2427	25.573266	95.165485	62066	5	3100	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.01458	0.5917	1355	
ARSENIC	5	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2978	59.462145	920.02159	177078	5	32000	19215	76.162741	672.33574	1463467	0.5	17000	0.06403	0.0276	1183	*
ARSENIC	5	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2978	59.462145	920.02159	177078	5	32000	12890	18.184867	47.752014	234403	1	2400	0.02145	0.7788	174	
ARSENIC	5	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2427	25.573266	95.165485	62066	5	3100	19215	76.162741	672.33574	1463467	0.5	17000	-0.0205	0.5842	715	
ARSENIC	5	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2427	25.573266	95.165485	62066	5	3100	12890	18.184867	47.752014	234403	1	2400	0.15462	0.0001	1162	*
ARSENIC	5	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2978	59.462145	920.02159	177078	5	32000	27516	2.33807	13.946496	64334	0.001	1800	-0.12627	0.0043	510	*
ARSENIC	5	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2427	25.573266	95.165485	62066	5	3100	27516	2.33807	13.946496	64334	0.001	1800	-0.09761	0.0416	436	*
ARSENIC	5	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2978	59.462145	920.02159	177078	5	32000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.02218	0.4501	1162	
ARSENIC	5	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2978	59.462145	920.02159	177078	5	32000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.2745	0.0001	214	*
ARSENIC	5	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2427	25.573266	95.165485	62066	5	3100	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.05347	0.1707	658	
ARSENIC	5	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2427	25.573266	95.165485	62066	5	3100	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.06398	0.3288	235	
ARSENIC	5	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2978	59.462145	920.02159	177078	5	32000	99613	7.588676	0.845555	753938	0.1	14	0.05042	0.0071	2852	*
ARSENIC	5	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2427	25.573266	95.165485	62066	5	3100	99613	7.588676	0.845555	753938	0.1	14	0.02754	0.1822	2348	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	7	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	624	0.110433	0.221947	68.91	0.02	3	0.7883	0.0001	20	*
ARSENIC	5	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	578	0.026644	0.038336	15.4	0.007	0.48	0.74416	0.0001	24	*
ARSENIC	5	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	624	0.110433	0.221947	68.91	0.02	3	0.99109	0.0001	13	*
ARSENIC	5	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	578	0.026644	0.038336	15.4	0.007	0.48	0.99526	0.0001	11	*
ARSENIC	5	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	102	37.441176	53.295844	3819	15	330	-0.1423	0.6764	11	
ARSENIC	5	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2978	59.462145	920.02159	177078	5	32000	102	318.25	498.76308	32462	24	3300	-0.14578	0.6689	11	
ARSENIC	5	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
ARSENIC	5	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2427	25.573266	95.165485	62066	5	3100	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2978	59.462145	920.02159	177078	5	32000	15132	5.739795	49.016961	86855	1	3000	0.37197	0.0001	1910	*
ARSENIC	5	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2978	59.462145	920.02159	177078	5	32000	7729	6.108779	70.618386	47215	1	5800	0.0832	0.097	399	
ARSENIC	5	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2427	25.573266	95.165485	62066	5	3100	15132	5.739795	49.016961	86855	1	3000	-0.00558	0.8999	511	
ARSENIC	5	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2427	25.573266	95.165485	62066	5	3100	7729	6.108779	70.618386	47215	1	5800	0.00701	0.7876	1478	
ARSENIC	5	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2978	59.462145	920.02159	177078	5	32000	61449	203.15791	972.75089	12483850	0.01	64000	0.21232	0.0001	2444	*
ARSENIC	5	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2427	25.573266	95.165485	62066	5	3100	61449	203.15791	972.75089	12483850	0.01	64000	0.02787	0.2165	1968	
ARSENIC	5	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2978	59.462145	920.02159	177078	5	32000	352	30.269574	23.93811	10655	0.1	50	0.88821	0.0001	233	*
ARSENIC	5	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2978	59.462145	920.02159	177078	5	32000	1005	21.559701	50.912504	21668	1	500	-0.21352	0.3801	19	
ARSENIC	[illegible]	[illegible]ALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	242[illegible]	[illegible]266	95.165485	62066	5	3100	352	30.269574	23.93811	10655	0.1	50	0.5[illegible]	[illegible]0034	24	*
ARSENIC	[illegible]	[illegible]LLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	242[illegible]	[illegible]266	95.165485	62066	5	3100	1005	21.559701	50.912504	21668	1	500	0.[illegible]	[illegible]0001	275	*

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2978	59.462145	920.02159	177078	5	32000	19173	53.91325	102.63829	1033679	0.2	12000	0.42201	0.0001	1426	*
ARSENIC	5	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2978	59.462145	920.02159	177078	5	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2978	59.462145	920.02159	177078	5	32000	7990	86.273276	96.975617	689323	5	3000	0.27442	0.1106	35	
ARSENIC	5	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2427	25.573266	95.165485	62066	5	3100	19173	53.91325	102.63829	1033679	0.2	12000	-0.06382	0.057	890	
ARSENIC	5	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2427	25.573266	95.165485	62066	5	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2427	25.573266	95.165485	62066	5	3100	7990	86.273276	96.975617	689323	5	3000	0.42821	0.0001	661	*
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2978	59.46214	920.02159	177078	5	32000	13507	4.19948	113.72045	56722	0.05	12000	0.43003	0.0001	1070	*
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2978	59.46214	920.02159	177078	5	32000	9762	3.45088	8.24248	33687	0.5	710	0.12957	0.1943	102	
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2427	25.57327	95.16548	62066	5	3100	13507	4.19948	113.72045	56722	0.05	12000	-0.03009	0.4327	682	
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2427	25.57327	95.16548	62066	5	3100	9762	3.45088	8.24248	33687	0.5	710	0.14203	0.0001	886	*
ARSENIC	5	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2978	59.462145	920.02159	177078	5	32000	20131	4.525946	98.232558	91112	0.01	12000	0.46913	0.0001	2101	*
ARSENIC	5	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2978	59.462145	920.02159	177078	5	32000	16049	2.254285	3.179993	36179	1	140	0.19219	0.0001	788	*
ARSENIC	5	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2427	25.573266	95.165485	62066	5	3100	20131	4.525946	98.232558	91112	0.01	12000	0.00807	0.7609	1426	
ARSENIC	5	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2427	25.573266	95.165485	62066	5	3100	16049	2.254285	3.179993	36179	1	140	0.11919	0.0001	1912	*
ARSENIC	5	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2978	59.462145	920.02159	177078	5	32000	17823	7.326853	100.60661	130587	0.01	12000	0.42592	0.0001	1814	*
ARSENIC	5	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2978	59.462145	920.02159	177078	5	32000	880	1.170455	1.484249	1030	1	20	0.44721	0.3739	6	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2978	59.462145	920.02159	177078	5	32000	14432	5.940315	14.892349	85731	1	765	0.13132	0.022	304	*
ARSENIC	5	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2427	25.573266	95.165485	62066	5	3100	17823	7.326853	100.60661	130587	0.01	12000	0.00339	0.9163	966	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2427	25.573266	95.165485	62066	5	3100	880	1.170455	1.484249	1030	1	20	0.41414	0.0285	28	*
ARSENIC	5	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2427	25.573266	95.165485	62066	5	3100	14432	5.940315	14.892349	85731	1	765	0.09054	0.0006	1439	*
ARSENIC	5	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2978	59.462145	920.02159	177078	5	32000	151404	835.24242	7585.0802	126459043	1	2400000	0.50605	0.0001	2730	*
ARSENIC	5	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2427	25.573266	95.165485	62066	5	3100	151404	835.24242	7585.0802	126459043	1	2400000	0.00038	0.9853	2354	
ARSENIC	5	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2978	59.462145	920.02159	177078	5	32000	4413	0.026723	0.713462	117.928667	0.001	42	-0.04638	0.6003	130	
ARSENIC	5	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2978	59.462145	920.02159	177078	5	32000	307	0.052834	0.444387	16.22	0.01	6	-0.12425	0.1657	126	
ARSENIC	5	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2427	25.573266	95.165485	62066	5	3100	4413	0.026723	0.713462	117.928667	0.001	42	0.06203	0.078	808	
ARSENIC	5	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2427	25.573266	95.165485	62066	5	3100	307	0.052834	0.444387	16.22	0.01	6	-0.07233	0.4465	113	
ARSENIC	5	DEPTH-BELOW-LAN	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019 (FEET)	2978	59.462145	920.02159	177078	5	32000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
ARSENIC	5	DEPTH-BELOW-LAN	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019 (FEET)	2427	25.573266	95.165485	62066	5	3100	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
ARSENIC	5	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	2978	59.462145	920.02159	177078	5	32000	83235	542.51758	153897	45156451	0.1	44400000	-0.03446	0.1306	1926	
ARSENIC	5	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	2427	25.573266	95.165485	62066	5	3100	83235	542.51758	153897	45156451	0.1	44400000	0.06526	0.0108	1526	*
ARSENIC	5	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2978	59.462145	920.02159	177078	5	32000	45639	642.85223	3429.8776	29339133	3	322000	0.35713	0.0001	2071	*
ARSENIC	5	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2427	25.573266	95.165485	62066	5	3100	45639	642.85223	3429.8776	29339133	3	322000	0.09288	0.0003	1525	*
ARSENIC	5	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2978	59.462145	920.02159	177078	5	32000	58733	243.24843	454.78754	14286710	1	17000	-0.00495	0.7992	2645	
ARSENIC	5	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2427	25.573266	95.165485	62066	5	3100	58733	243.24843	454.78754	14286710	1	17000	-0.00096	0.9658	1994	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2978	59.462145	920.02159	177078	5	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2978	59.462145	920.02159	177078	5	32000	16528	3675.8675	37212	60754738	10	2800000	-0.02295	0.4733	979	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2978	59.462145	920.02159	177078	5	32000	43140	5389.2633	68858	232492818	0.1	2750000	-0.00533	0.7951	2377	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	2978	59.462145	920.02159	177078	5	32000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2427	25.573266	95.165485	62066	5	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2427	25.573266	95.165485	62066	5	3100	16528	3675.8675	37212	60754738	10	2800000	0.53792	0.0001	1804	*
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2427	25.573266	95.165485	62066	5	3100	43140	5389.2633	68858	232492818	0.1	2750000	-0.0003	0.9906	1504	
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	2427	25.573266	95.165485	62066	5	3100	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	6201	29.993485	638.14611	185990	2	32000	27516	2.33807	13.946496	64334	0.001	1800	-0.05996	0.0191	1527	*
ARSENIC	2	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5144	13.484333	66.354497	69363	2	3100	27516	2.33807	13.946496	64334	0.001	1800	-0.06498	0.0301	1114	*
ARSENIC	2	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	6201	29.993485	638.14611	185990	2	32000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.01353	0.444	3201	
ARSENIC	2	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	6201	29.993485	638.14611	185990	2	32000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.05927	0.2542	372	
ARSENIC	2	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5144	13.484333	66.354497	69363	2	3100	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.02222	0.3635	1675	
ARSENIC	2	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5144	13.484333	66.354497	69363	2	3100	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.00745	0.837	765	
ARSENIC	2	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	6201	29.993485	638.14611	185990	2	32000	99613	7.568676	0.845555	753938	0.1	14	0.03972	0.0022	5952	*
ARSENIC	2	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5144	13.484333	66.354497	69363	2	3100	99613	7.568676	0.845555	753938	0.1	14	0.05741	0.0001	4915	*
ARSENIC	2	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	7	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	624	0.110433	0.221947	68.91	0.02	3	0.80226	0.0001	45	*
ARSENIC	2	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	578	0.026644	0.038336	15.4	0.007	0.48	0.77878	0.0001	44	*
ARSENIC	2	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	1	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	624	0.110433	0.221947	68.91	0.02	3	0.9297	0.0001	38	*
ARSENIC	2	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	578	0.026644	0.038336	15.4	0.007	0.48	0.92483	0.0001	36	*
ARSENIC	2	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	102	37.441176	53.295844	3819	15	330	-0.06111	0.7717	25	
ARSENIC	2	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	102	318.25	498.76308	32462	24	3300	0.01952	0.9262	25	
ARSENIC	2	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
ARSENIC	2	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
ARSENIC	2	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	6201	29.993485	638.14611	185990	2	32000	15132	5.739795	49.016961	86855	1	3000	0.34392	0.0001	4653	*
ARSENIC	2	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	6201	29.993485	638.14611	185990	2	32000	7729	6.108779	70.618386	47215	1	5800	0.08622	0.0042	1100	*
ARSENIC	2	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5144	13.484333	66.354497	69363	2	3100	15132	5.739795	49.016961	86855	1	3000	-0.00125	0.9638	1324	
ARSENIC	2	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5144	13.484333	66.354497	69363	2	3100	7729	6.108779	70.618386	47215	1	5800	0.02213	0.1767	3729	
ARSENIC	2	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	6201	29.993485	638.14611	185990	2	32000	61449	203.15791	972.75089	12483850	0.01	64000	0.20149	0.0001	5451	*
ARSENIC	2	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	5144	13.484333	66.354497	69363	2	3100	61449	203.15791	972.75089	12483850	0.01	64000	0.00512	0.7328	4456	
ARSENIC	2	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	6201	29.993485	638.14611	185990	2	32000	352	30.269574	23.93811	10655	0.1	50	0.75131	0.0001	274	*
ARSENIC	2	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	6201	29.993485	638.14611	185990	2	32000	1005	21.559701	50.912504	21668	1	500	0.07995	0.6332	38	
ARSENIC	2	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5144	13.484333	66.354497	69363	2	3100	352	30.269574	23.93811	10655	0.1	50	-0.08327	0.5235	61	
ARSENIC	2	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5144	13.484333	66.354497	69363	2	3100	1005	21.559701	50.912504	21668	1	500	0.47195	0.0001	593	*
ARSENIC	2	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	6201	29.993485	638.14611	185990	2	32000	34709	38.379662	405.66108	1332120	0.1	36500	-0.00789	0.7632	1461	
ARSENIC	2	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	5144	13.484333	66.354497	69363	2	3100	34709	38.379662	405.66108	1332120	0.1	36500	0.07031	0.0032	1753	*
ARSENIC	2	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	26	0.146154	0.124035	3.8	0.1	0.6	0.08909	0.9109	4	
ARSENIC	2	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	26	0.146154	0.124035	3.8	0.1	0.6	-0.32841	0.5251	6	
ARSENIC	2	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	6201	29.993485	638.14611	185990	2	32000	26	2.017692	3.112414	52.46	0.1	12	0.26256	0.7374	4	
ARSENIC	2	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5144	13.484333	66.354497	69363	2	3100	26	2.017692	3.112414	52.46	0.1	12	-0.39374	0.4399	6	
ARSENIC	2	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	6201	29.993485	638.14611	185990	2	32000	581	398.67981	390.97008	231633	3	1980	-1	#N/A	2	
ARSENIC	2	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	5144	13.484333	66.354497	69363	2	3100	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
ARSENIC	5	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2978	59.462145	920.02159	177078	5	32000	8351	141.86443	79.888743	1184710	0.9	1800	0.08228	0.312	153	
ARSENIC	5	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2427	25.573266	95.165485	62066	5	3100	8351	141.86443	79.888743	1184710	0.9	1800	0.28142	0.0003	164	*
ARSENIC	5	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2978	59.462145	920.02159	177078	5	32000	3697	8.682685	216.40147	32100	0.2	12000	0.43089	0.0001	770	*
ARSENIC	5	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2978	59.462145	920.02159	177078	5	32000	969	27.159099	88.389881	26317	1	350	0.87891	0.0001	91	*
ARSENIC	[illegible]	[illegible]NTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2427	[illegible]73266	95.165485	62066	5	3100	3697	8.682685	216.40147	32100	0.2	12000	0.19[illegible]	0.0007	298	*
ARSENIC	[illegible]	[illegible]TIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	242[illegible]	[illegible]3266	95.165485	62066	5	3100	969	27.159099	88.389881	26317	1	350	0.[illegible]	[illegible].0063	304	*

Appendix E-threshold. National Correlation analysis. Correlation [redacted]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	6201	29.993485	638.14611	185990	2	32000	17623	7.326853	100.60661	130587	0.01	12000	0.4255	0.0001	3837	*
ARSENIC	2	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	6201	29.993485	638.14611	185990	2	32000	880	1.170455	1.484249	1030	1	20	0.34682	0.0008	90	*
ARSENIC	2	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	6201	29.993485	638.14611	185990	2	32000	14432	5.940315	14.892349	85731	1	765	-0.06349	0.0501	953	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5144	13.484333	66.354497	69363	2	3100	17623	7.326853	100.60661	130587	0.01	12000	-0.02208	0.2933	2267	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5144	13.484333	66.354497	69363	2	3100	880	1.170455	1.484249	1030	1	20	-0.00307	0.9606	262	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5144	13.484333	66.354497	69363	2	3100	14432	5.940315	14.892349	85731	1	765	0.08668	0.0001	3823	*
ARSENIC	2	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	6201	29.993485	638.14611	185990	2	32000	151404	835.24242	7585.0802	126459043	1	2400000	0.42227	0.0001	5907	*
ARSENIC	2	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5144	13.484333	66.354497	69363	2	3100	151404	835.24242	7585.0802	126459043	1	2400000	-0.01333	0.3476	4968	
ARSENIC	2	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	6201	29.993485	638.14611	185990	2	32000	4413	0.026723	0.713462	117.928667	0.001	42	0.02214	0.672	368	
ARSENIC	2	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	6201	29.993485	638.14611	185990	2	32000	307	0.052834	0.444387	16.22	0.01	6	-0.04092	0.5573	208	
ARSENIC	2	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5144	13.484333	66.354497	69363	2	3100	4413	0.026723	0.713462	117.928667	0.001	42	0.06678	0.0013	2306	*
ARSENIC	2	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5144	13.484333	66.354497	69363	2	3100	307	0.052834	0.444387	16.22	0.01	6	-0.04482	0.5924	145	
ARSENIC	2	DEPTH-BELOW-LAN	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	6201	29.993485	638.14611	185990	2	32000	178	43.107191	64.532141	7673.08	0.01	544	-0.9905	0.0878	3	
ARSENIC	2	DEPTH-BELOW-LAN	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5144	13.484333	66.354497	69363	2	3100	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
ARSENIC	2	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	6201	29.993485	638.14611	185990	2	32000	83235	542.51758	153897	45156451	0.1	44400000	-0.02449	0.1045	4393	
ARSENIC	2	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5144	13.484333	66.354497	69363	2	3100	83235	542.51758	153897	45156451	0.1	44400000	0.04905	0.003	3664	*
ARSENIC	2	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	6201	29.993485	638.14611	185990	2	32000	45639	642.85223	3429.8776	29339133	3	322000	0.2942	0.0001	4831	*
ARSENIC	2	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5144	13.484333	66.354497	69363	2	3100	45639	642.85223	3429.8776	29339133	3	322000	0.00679	0.6926	3390	
ARSENIC	2	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	6201	29.993485	638.14611	185990	2	32000	58733	243.24843	454.78754	14286710	1	17000	-0.00128	0.9223	5813	
ARSENIC	2	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5144	13.484333	66.354497	69363	2	3100	58733	243.24843	454.78754	14286710	1	17000	-0.00882	0.5596	4382	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	6201	29.993485	638.14611	185990	2	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	6201	29.993485	638.14611	185990	2	32000	16528	3675.8675	37212	60754738	10	2800000	-0.02671	0.2751	1672	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	6201	29.993485	638.14611	185990	2	32000	43140	5389.2633	68858	232492818	0.1	2750000	-0.00046	0.9732	5307	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	6201	29.993485	638.14611	185990	2	32000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5144	13.484333	66.354497	69363	2	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5144	13.484333	66.354497	69363	2	3100	16528	3675.8675	37212	60754738	10	2800000	0.48526	0.0001	3738	*
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5144	13.484333	66.354497	69363	2	3100	43140	5389.2633	68858	232492818	0.1	2750000	-0.01141	0.5272	3076	
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	5144	13.484333	66.354497	69363	2	3100	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	6201	29.99349	638.14611	185990	2	32000	7	1.71429	0.48795	12	1	2	-0.77778	0.2222	4	
ARSENIC	2	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	6201	29.99349	638.14611	185990	2	32000	15168	581.52304	3916.8679	8820541	1	160000	-0.00471	0.849	1636	
ARSENIC	2	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	6201	29.99349	638.14611	185990	2	32000	42074	243.3273	2387.0571	10237753	0.01	151000	0.07647	0.0001	5292	*
ARSENIC	2	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5144	13.48433	66.3545	69363	2	3100	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5144	13.48433	66.3545	69363	2	3100	15168	581.52304	3916.8679	8820541	1	160000	0.24357	0.0001	3375	*
ARSENIC	2	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5144	13.48433	66.3545	69363	2	3100	42074	243.3273	2387.0571	10237753	0.01	151000	0.00129	0.9445	2935	
ARSENIC	2	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	6201	29.993485	638.14611	185990	2	32000	5608	0.136363	0.791919	764.723333	0.1	50	0.89049	0.0001	3022	*
ARSENIC	2	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	6201	29.993485	638.14611	185990	2	32000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.09415	0.0039	937	*
ARSENIC	2	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5144	13.484333	66.354497	69363	2	3100	5608	0.136363	0.791919	764.723333	0.1	50	0.00395	0.9076	865	
ARSENIC	2	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5144	13.484333	66.354497	69363	2	3100	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.02052	0.235	3351	
ARSENIC	2	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	6201	29.993485	638.14611	185990	2	32000	19215	76.162741	672.33574	1463467	0.5	17000	0.06401	0.0005	2946	*
ARSENIC	2	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	6201	29.993485	638.14611	185990	2	32000	12890	18.184867	47.752014	234403	1	2400	-0.08487	0.029	662	*
ARSENIC	2	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5144	13.484333	66.354497	69363	2	3100	19215	76.162741	672.33574	1463467	0.5	17000	-0.0287	0.2025	1974	
ARSENIC	2	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5144	13.484333	66.354497	69363	2	3100	12890	18.184867	47.752014	234403	1	2400	0.11839	0.0001	3299	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	102	37.441176	53.295844	3819	15	330	-0.10078	0.5416	39	
ARSENIC	0	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	102	318.25	498.76308	32462	24	3300	-0.08715	0.5978	39	
ARSENIC	0	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
ARSENIC	0	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
ARSENIC	0	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10397	18.293928	493.01898	190202	1	32000	15132	5.739795	49.016961	86855	1	3000	0.2907	0.0001	8195	*
ARSENIC	0	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10397	18.293928	493.01898	190202	1	32000	7729	6.108779	70.618386	47215	1	5800	0.10752	0.0001	1846	*
ARSENIC	0	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	9000	8.138151	50.541445	73243	1	3100	15132	5.739795	49.016961	86855	1	3000	0.00799	0.7188	2035	
ARSENIC	0	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	9000	8.138151	50.541445	73243	1	3100	7729	6.108779	70.618386	47215	1	5800	0.03122	0.0104	6732	*
ARSENIC	0	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	10397	18.293928	493.01898	190202	1	32000	61449	203.15791	972.75089	12483850	0.01	64000	0.18509	0.0001	9318	*
ARSENIC	0	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	9000	8.138151	50.541445	73243	1	3100	61449	203.15791	972.75089	12483850	0.01	64000	0.00741	0.5172	7652	
ARSENIC	0	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10397	18.293928	493.01898	190202	1	32000	352	30.269574	23.93811	10655	0.1	50	0.81648	0.0001	309	*
ARSENIC	0	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10397	18.293928	493.01898	190202	1	32000	1005	21.559701	50.912504	21668	1	500	0.35691	0.0041	63	*
ARSENIC	0	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	9000	8.138151	50.541445	73243	1	3100	352	30.269574	23.93811	10655	0.1	50	0.10144	0.3333	93	
ARSENIC	0	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	9000	8.138151	50.541445	73243	1	3100	1005	21.559701	50.912504	21668	1	500	0.46975	0.0001	993	*
ARSENIC	0	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	10397	18.293928	493.01898	190202	1	32000	34709	38.379662	405.66108	1332120	0.1	36500	-0.00319	0.867	2751	
ARSENIC	0	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	9000	8.138151	50.541445	73243	1	3100	34709	38.379662	405.66108	1332120	0.1	36500	0.08304	0.0001	3144	*
ARSENIC	0	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	26	0.146154	0.124035	3.8	0.1	0.6	0.55981	0.0374	14	*
ARSENIC	0	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	26	0.146154	0.124035	3.8	0.1	0.6	-0.09956	0.7038	17	
ARSENIC	0	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	26	2.017692	3.112414	52.46	0.1	12	0.51779	0.0579	14	
ARSENIC	0	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	26	2.017692	3.112414	52.46	0.1	12	-0.12592	0.6301	17	
ARSENIC	0	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	10397	18.293928	493.01898	190202	1	32000	581	398.67981	390.97008	231633	3	1980	-0.46552	0.2925	7	
ARSENIC	0	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	9000	8.138151	50.541445	73243	1	3100	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
ARSENIC	2	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	6201	29.993485	638.14611	185990	2	32000	8351	141.86443	79.888743	1184710	0.9	1800	0.19993	0.0001	701	*
ARSENIC	2	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5144	13.484333	66.354497	69363	2	3100	8351	141.86443	79.888743	1184710	0.9	1800	0.33299	0.0001	441	*
ARSENIC	2	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	6201	29.993485	638.14611	185990	2	32000	3697	8.682685	216.40147	32100	0.2	12000	0.4324	0.0001	1430	*
ARSENIC	2	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	6201	29.993485	638.14611	185990	2	32000	969	27.159099	88.369881	26317	1	350	0.2176	0.0035	178	*
ARSENIC	2	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5144	13.484333	66.354497	69363	2	3100	3697	8.682685	216.40147	32100	0.2	12000	0.06171	0.1758	483	
ARSENIC	2	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5144	13.484333	66.354497	69363	2	3100	969	27.159099	88.369881	26317	1	350	0.27165	0.0001	553	*
ARSENIC	2	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	6201	29.993485	638.14611	185990	2	32000	19173	53.91325	102.63829	1033679	0.2	12000	0.41698	0.0001	3493	*
ARSENIC	2	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	6201	29.993485	638.14611	185990	2	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	6201	29.993485	638.14611	185990	2	32000	7990	86.273276	96.975617	689323	5	3000	0.13033	0.0407	247	*
ARSENIC	2	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5144	13.484333	66.354497	69363	2	3100	19173	53.91325	102.63829	1033679	0.2	12000	-0.03669	0.0703	2190	
ARSENIC	2	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5144	13.484333	66.354497	69363	2	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5144	13.484333	66.354497	69363	2	3100	7990	86.273276	96.975617	689323	5	3000	0.34201	0.0001	1725	*
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	6201	29.99349	638.14611	185990	2	32000	13507	4.19948	113.72045	56722	0.05	12000	0.43139	0.0001	2399	*
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	6201	29.99349	638.14611	185990	2	32000	9762	3.45088	8.24248	33687	0.5	710	0.16953	0.0075	248	*
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5144	13.48433	66.3545	69363	2	3100	13507	4.19948	113.72045	56722	0.05	12000	-0.02116	0.3945	1621	
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5144	13.48433	66.3545	69363	2	3100	9762	3.45088	8.24248	33687	0.5	710	0.1522	0.0001	2409	*
ARSENIC	2	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	6201	29.993485	638.14611	185990	2	32000	20131	4.525946	98.232558	91112	0.01	12000	0.469	0.0001	4590	*
ARSENIC	2	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	6201	29.993485	638.14611	185990	2	32000	16049	2.254265	3.179993	36179	1	140	-0.08583	0.0006	1598	*
ARSENIC	[illegible]	[illegible]ADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	514[illegible]	[illegible]84333	66.354497	69363	2	3100	20131	4.525946	98.232558	91112	0.01	12000	-0.0[illegible]	[illegible].3606	2912	
ARSENIC	[illegible]	[illegible]DMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	51[illegible]	[illegible]333	66.354497	69363	2	3100	16049	2.254265	3.179993	36179	1	140	0.[illegible]	[illegible].0001	4251	*

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	10397	18.293928	493.01898	190202	1	32000	83235	542.51758	153897	45156451	0.1	44400000	-0.02219	0.0534	7581	
ARSENIC	0	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	9000	8.138151	50.541445	73243	1	3100	83235	542.51758	153897	45156451	0.1	44400000	0.03445	0.0044	6844	*
ARSENIC	0	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10397	18.293928	493.01898	190202	1	32000	45639	642.85223	3429.8776	29339133	3	322000	0.25315	0.0001	8218	*
ARSENIC	0	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	9000	8.138151	50.541445	73243	1	3100	45639	642.85223	3429.8776	29339133	3	322000	0.01654	0.1914	6239	
ARSENIC	0	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10397	18.293928	493.01898	190202	1	32000	58733	243.24843	454.78754	14286710	1	17000	-0.00034	0.973	9852	
ARSENIC	0	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	9000	8.138151	50.541445	73243	1	3100	58733	243.24843	454.78754	14286710	1	17000	-0.00119	0.9173	7614	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	10397	18.293928	493.01898	190202	1	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	10397	18.293928	493.01898	190202	1	32000	16528	3675.8675	37212	60754738	10	2800000	-0.01308	0.5207	2412	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	10397	18.293928	493.01898	190202	1	32000	43140	5389.2633	68858	232492818	0.1	2750000	0.00056	0.9574	9122	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	10397	18.293928	493.01898	190202	1	32000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	8	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	9000	8.138151	50.541445	73243	1	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	9000	8.138151	50.541445	73243	1	3100	16528	3675.8675	37212	60754738	10	2800000	0.40709	0.0001	6649	*
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	9000	8.138151	50.541445	73243	1	3100	43140	5389.2633	68858	232492818	0.1	2750000	-0.00488	0.7433	4510	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	9000	8.138151	50.541445	73243	1	3100	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	10397	18.29393	493.01898	190202	1	32000	7	1.71429	0.48795	12	1	2	-0.30429	0.507	7	
ARSENIC	0	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	10397	18.29393	493.01898	190202	1	32000	15168	581.52304	3916.8679	8820541	1	160000	-0.05826	0.005	2321	*
ARSENIC	0	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	10397	18.29393	493.01898	190202	1	32000	42074	243.3273	2387.0571	10237753	0.01	151000	0.0223	0.0357	8876	*
ARSENIC	0	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	9000	8.13815	50.54144	73243	1	3100	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	9000	8.13815	50.54144	73243	1	3100	15168	581.52304	3916.8679	8820541	1	160000	0.11548	0.0001	6078	*
ARSENIC	0	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	9000	8.13815	50.54144	73243	1	3100	42074	243.3273	2387.0571	10237753	0.01	151000	-0.00726	0.6356	4262	
ARSENIC	0	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	10397	18.293928	493.01898	190202	1	32000	5608	0.136363	0.791919	764.723333	0.1	50	0.88035	0.0001	5283	*
ARSENIC	0	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	10397	18.293928	493.01898	190202	1	32000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.09563	0.0001	1723	*
ARSENIC	0	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	9000	8.138151	50.541445	73243	1	3100	5608	0.136363	0.791919	764.723333	0.1	50	0.00816	0.7682	1305	
ARSENIC	0	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	9000	8.138151	50.541445	73243	1	3100	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.02669	0.029	6695	*
ARSENIC	0	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	10397	18.293928	493.01898	190202	1	32000	19215	76.162741	672.33574	1463467	0.5	17000	0.05872	0.0001	5952	*
ARSENIC	0	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	10397	18.293928	493.01898	190202	1	32000	12890	18.184867	47.752014	234403	1	2400	-0.00826	0.7673	1286	
ARSENIC	0	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	9000	8.138151	50.541445	73243	1	3100	19215	76.162741	672.33574	1463467	0.5	17000	-0.01768	0.3249	3101	
ARSENIC	0	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	9000	8.138151	50.541445	73243	1	3100	12890	18.184867	47.752014	234403	1	2400	0.08399	0.0001	6690	*
ARSENIC	0	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	10397	18.293928	493.01898	190202	1	32000	27516	2.33807	13.946496	64334	0.001	1800	-0.03458	0.0782	2595	
ARSENIC	0	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	9000	8.138151	50.541445	73243	1	3100	27516	2.33807	13.946496	64334	0.001	1800	-0.07126	0.0009	2166	*
ARSENIC	0	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	10397	18.293928	493.01898	190202	1	32000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.00044	0.9729	5961	
ARSENIC	0	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	10397	18.293928	493.01898	190202	1	32000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.0059	0.8767	694	
ARSENIC	0	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	9000	8.138151	50.541445	73243	1	3100	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.00097	0.954	3566	
ARSENIC	0	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	9000	8.138151	50.541445	73243	1	3100	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.04178	0.0778	1783	
ARSENIC	0	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10397	18.293928	493.01898	190202	1	32000	99613	7.568676	0.845555	753938	0.1	14	0.03282	0.001	10021	*
ARSENIC	0	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	9000	8.138151	50.541445	73243	1	3100	99613	7.568676	0.845555	753938	0.1	14	0.06995	0.0001	8558	*
ARSENIC	0	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	7	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	624	0.110433	0.221947	68.91	0.02	3	0.7515	0.0001	74	*
ARSENIC	0	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	10397	18.293928	493.01898	190202	1	32000	578	0.026644	0.038336	15.4	0.007	0.48	0.73096	0.0001	68	*
ARSENIC	0	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	1	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	624	0.110433	0.221947	68.91	0.02	3	0.8587	0.0001	60	*
ARSENIC	0	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	9000	8.138151	50.541445	73243	1	3100	578	0.026644	0.038336	15.4	0.007	0.48	0.85049	0.0001	57	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	TURBIDITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	291	96.970447	767.03442	28218	6	12000	34709	38.379662	405.66108	1332120	0.1	36500	-0.07303	0.7734	18	
ANTIMONY	6	TURBIDITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	121	205.52342	162.34894	24868	6	350	34709	38.379662	405.66108	1332120	0.1	36500	-0.18707	0.5044	15	
ANTIMONY	6	URANIUM-235	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	291	96.970447	767.03442	28218	6	12000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
ANTIMONY	6	URANIUM-235	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	121	205.52342	162.34894	24868	6	350	26	0.146154	0.124035	3.8	0.1	0.6	-0.53612	0.3517	5	
ANTIMONY	6	URANIUM-238	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	291	96.970447	767.03442	28218	6	12000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
ANTIMONY	6	URANIUM-238	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	121	205.52342	162.34894	24868	6	350	26	2.017692	3.112414	52.46	0.1	12	-0.52155	0.3674	5	
ANTIMONY	6	WELL-DEPTH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	291	96.970447	767.03442	28218	6	12000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
ANTIMONY	6	WELL-DEPTH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	121	205.52342	162.34894	24868	6	350	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
ARSENIC	0	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10397	18.293928	493.01898	190202	1	32000	8351	141.86443	79.888743	1184710	0.9	1800	0.15949	0.0001	1367	*
ARSENIC	0	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	9000	8.138151	50.541445	73243	1	3100	8351	141.86443	79.888743	1184710	0.9	1800	0.12473	0.0004	813	*
ARSENIC	0	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	10397	18.293928	493.01898	190202	1	32000	3697	8.682685	216.40147	32100	0.2	12000	0.43314	0.0001	2543	*
ARSENIC	0	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	10397	18.293928	493.01898	190202	1	32000	969	27.159099	88.389881	26317	1	350	0.24587	0.0001	272	*
ARSENIC	0	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	9000	8.138151	50.541445	73243	1	3100	3697	8.682685	216.40147	32100	0.2	12000	0.07568	0.0438	710	*
ARSENIC	0	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	9000	8.138151	50.541445	73243	1	3100	969	27.159099	88.389881	26317	1	350	0.32907	0.0001	896	*
ARSENIC	0	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	10397	18.293928	493.01898	190202	1	32000	19173	53.91325	102.63829	1033679	0.2	12000	0.41311	0.0001	6436	*
ARSENIC	0	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	10397	18.293928	493.01898	190202	1	32000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	10397	18.293928	493.01898	190202	1	32000	7990	86.273276	96.975617	689323	5	3000	0.1025	0.0288	455	*
ARSENIC	0	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	9000	8.138151	50.541445	73243	1	3100	19173	53.91325	102.63829	1033679	0.2	12000	-0.02222	0.207	3226	
ARSENIC	0	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	9000	8.138151	50.541445	73243	1	3100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	9000	8.138151	50.541445	73243	1	3100	7990	86.273276	96.975617	689323	5	3000	0.2573	0.0001	2803	*
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	10397	18.29393	493.01898	190202	1	32000	13507	4.19948	113.72045	56722	0.05	12000	0.43168	0.0001	5019	*
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	10397	18.29393	493.01898	190202	1	32000	9762	3.45088	8.24248	33687	0.5	710	0.14053	0.0007	580	*
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	9000	8.13815	50.54144	73243	1	3100	13507	4.19948	113.72045	56722	0.05	12000	-0.01735	0.3927	2428	
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	9000	8.13815	50.54144	73243	1	3100	9762	3.45088	8.24248	33687	0.5	710	0.11747	0.0001	4516	*
ARSENIC	0	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	10397	18.293928	493.01898	190202	1	32000	20131	4.525946	98.232558	91112	0.01	12000	0.46854	0.0001	8319	*
ARSENIC	0	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	10397	18.293928	493.01898	190202	1	32000	16049	2.254265	3.179993	36179	1	140	-0.01146	0.5634	2544	
ARSENIC	0	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	9000	8.138151	50.541445	73243	1	3100	20131	4.525946	98.232558	91112	0.01	12000	-0.0136	0.3833	4113	
ARSENIC	0	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	9000	8.138151	50.541445	73243	1	3100	16049	2.254265	3.179993	36179	1	140	0.0736	0.0001	7715	*
ARSENIC	0	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	10397	18.293928	493.01898	190202	1	32000	17823	7.326853	100.60661	130587	0.01	12000	0.42512	0.0001	7369	*
ARSENIC	0	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	10397	18.293928	493.01898	190202	1	32000	880	1.170455	1.484249	1030	1	20	-0.01451	0.8051	292	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	10397	18.293928	493.01898	190202	1	32000	14432	5.940315	14.892349	85731	1	765	0.05387	0.0249	1733	*
ARSENIC	0	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	9000	8.138151	50.541445	73243	1	3100	17823	7.326853	100.60661	130587	0.01	12000	-0.00766	0.6553	3401	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	9000	8.138151	50.541445	73243	1	3100	880	1.170455	1.484249	1030	1	20	-0.00841	0.8778	337	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	9000	8.138151	50.541445	73243	1	3100	14432	5.940315	14.892349	85731	1	765	0.09116	0.0001	7392	*
ARSENIC	0	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10397	18.293928	493.01898	190202	1	32000	151404	835.24242	7585.0802	126459043	1	2400000	0.363	0.0001	10018	*
ARSENIC	0	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	9000	8.138151	50.541445	73243	1	3100	151404	835.24242	7585.0802	126459043	1	2400000	-0.00471	0.6609	8661	
ARSENIC	0	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	10397	18.293928	493.01898	190202	1	32000	4413	0.026723	0.713462	117.928667	0.001	42	0.03428	0.4148	568	
ARSENIC	0	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	10397	18.293928	493.01898	190202	1	32000	307	0.052834	0.444387	16.22	0.01	6	-0.01282	0.8285	288	
ARSENIC	0	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	9000	8.138151	50.541445	73243	1	3100	4413	0.026723	0.713462	117.928667	0.001	42	0.06822	0.0001	3545	*
ARSENIC	0	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	9000	8.138151	50.541445	73243	1	3100	307	0.052834	0.444387	16.22	0.01	6	-0.03134	0.6858	169	
ARSENIC	[illegible]	DEPTH-BELOW-[illegible]N	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	103[illegible]	[illegible]928	493.01898	190202	1	32000	178	43.107191	64.532141	7673.08	0.01	544	-0.3[illegible]	[illegible]4023	7	
ARSENIC	[illegible]	[illegible]PTH-BELOW-[illegible]N	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	900[illegible]	[illegible]151	50.541445	73243	1	3100	178	43.107191	64.532141	7673.08	0.01	544	#N/[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	291	96.97045	767.03442	28218	6	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	291	96.97045	767.03442	28218	6	12000	15168	581.52304	3916.8679	8820541	1	160000	0.52195	0.0001	221	*
ANTIMONY	6	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	291	96.97045	767.03442	28218	6	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.32098	0.0001	281	*
ANTIMONY	6	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	121	205.52342	162.34894	24868	6	350	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	121	205.52342	162.34894	24868	6	350	15168	581.52304	3916.8679	8820541	1	160000	-0.34744	0.0004	100	*
ANTIMONY	6	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	121	205.52342	162.34894	24868	6	350	42074	243.3273	2387.0571	10237753	0.01	151000	0.21173	0.2991	26	
ANTIMONY	6	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	291	96.970447	767.03442	28218	6	12000	5608	0.136363	0.791919	764.723333	0.1	50	0.242	0.034	77	*
ANTIMONY	6	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	291	96.970447	767.03442	28218	6	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.23478	0.1297	43	
ANTIMONY	6	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	121	205.52342	162.34894	24868	6	350	5608	0.136363	0.791919	764.723333	0.1	50	0.92989	0.0001	18	*
ANTIMONY	6	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	121	205.52342	162.34894	24868	6	350	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.40795	0.0001	105	*
ANTIMONY	6	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	291	96.970447	767.03442	28218	6	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.99929	0.0001	254	*
ANTIMONY	6	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	291	96.970447	767.03442	28218	6	12000	12890	18.184867	47.752014	234403	1	2400	-0.14474	0.5204	22	
ANTIMONY	6	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	121	205.52342	162.34894	24868	6	350	19215	76.162741	672.33574	1463467	0.5	17000	0.77692	0.0001	18	*
ANTIMONY	6	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	121	205.52342	162.34894	24868	6	350	12890	18.184867	47.752014	234403	1	2400	-0.29038	0.0014	118	*
ANTIMONY	6	NITRATE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	291	96.970447	767.03442	28218	6	12000	27516	2.33807	13.946496	64334	0.001	1800	-0.21853	0.294	25	
ANTIMONY	6	NITRATE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	121	205.52342	162.34894	24868	6	350	27516	2.33807	13.946496	64334	0.001	1800	-0.42038	0.0185	31	*
ANTIMONY	6	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	291	96.970447	767.03442	28218	6	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.15449	0.2647	54	
ANTIMONY	6	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	291	96.970447	767.03442	28218	6	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.0304	0.7166	145	
ANTIMONY	6	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	121	205.52342	162.34894	24868	6	350	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.02439	0.8299	80	
ANTIMONY	6	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	121	205.52342	162.34894	24868	6	350	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.10219	0.6347	24	
ANTIMONY	6	PH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	291	96.970447	767.03442	28218	6	12000	99613	7.568676	0.845555	753938	0.1	14	0.18788	0.0018	274	*
ANTIMONY	6	PH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	121	205.52342	162.34894	24868	6	350	99613	7.568676	0.845555	753938	0.1	14	-0.14565	0.1156	118	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	291	96.970447	767.03442	28218	6	12000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	291	96.970447	767.03442	28218	6	12000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	291	96.970447	767.03442	28218	6	12000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	121	205.52342	162.34894	24868	6	350	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	121	205.52342	162.34894	24868	6	350	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	1	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	121	205.52342	162.34894	24868	6	350	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
ANTIMONY	6	RADON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P76002	RADON 222-PE-P76002-(PCI/L)	291	96.970447	767.03442	28218	6	12000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	1	
ANTIMONY	6	RADON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	291	96.970447	767.03442	28218	6	12000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	1	
ANTIMONY	6	RADON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P76002	RADON 222-PE-P76002-(PCI/L)	121	205.52342	162.34894	24868	6	350	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
ANTIMONY	6	RADON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	121	205.52342	162.34894	24868	6	350	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	291	96.970447	767.03442	28218	6	12000	15132	5.739795	49.016961	86855	1	3000	0.64445	0.0001	288	*
ANTIMONY	6	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	291	96.970447	767.03442	28218	6	12000	7729	6.108779	70.618386	47215	1	5800	0.78491	0.0001	41	*
ANTIMONY	6	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	121	205.52342	162.34894	24868	6	350	15132	5.739795	49.016961	86855	1	3000	0.77079	0.0001	25	*
ANTIMONY	6	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	121	205.52342	162.34894	24868	6	350	7729	6.108779	70.618386	47215	1	5800	-0.21036	0.0304	106	*
ANTIMONY	6	SULFATE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	291	96.970447	767.03442	28218	6	12000	61449	203.15791	972.75089	12483850	0.01	64000	0.73	0.0001	282	*
ANTIMONY	6	SULFATE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	121	205.52342	162.34894	24868	6	350	61449	203.15791	972.75089	12483850	0.01	64000	-0.30923	0.0016	102	*
ANTIMONY	6	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	291	96.970447	767.03442	28218	6	12000	352	30.269574	23.93811	10655	0.1	50	-0.83092	0.0001	216	*
ANTIMONY	6	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	291	96.970447	767.03442	28218	6	12000	1005	21.559701	50.912504	21668	1	500	0.2857	0.4561	9	
ANTIMONY	6	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	121	205.52342	162.34894	24868	6	350	352	30.269574	23.93811	10655	0.1	50	0.64134	0.0246	12	*
ANTIMONY	6	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	121	205.52342	162.34894	24868	6	350	1005	21.559701	50.912504	21668	1	500	0.99381	0.0001	65	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	291	96.970447	767.03442	28218	6	12000	19173	53.91325	102.63829	1033679	0.2	12000	0.99869	0.0001	258	*
ANTIMONY	6	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	291	96.970447	767.03442	28218	6	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	291	96.970447	767.03442	28218	6	12000	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	7	
ANTIMONY	6	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	121	205.52342	162.34894	24868	6	350	19173	53.91325	102.63829	1033679	0.2	12000	-0.13024	0.5349	25	
ANTIMONY	6	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	121	205.52342	162.34894	24868	6	350	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	121	205.52342	162.34894	24868	6	350	7990	86.273276	96.975617	689323	5	3000	-0.33851	0.1997	16	
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	291	96.97045	767.03442	28218	6	12000	13507	4.19948	113.72045	56722	0.05	12000	0.9996	0.0001	268	*
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	291	96.97045	767.03442	28218	6	12000	9762	3.45088	8.24248	33687	0.5	710	-0.96442	0.0001	15	*
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	121	205.52342	162.34894	24868	6	350	13507	4.19948	113.72045	56722	0.05	12000	0.25256	0.312	18	
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	121	205.52342	162.34894	24868	6	350	9762	3.45088	8.24248	33687	0.5	710	0.15529	0.1119	106	
ANTIMONY	6	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	291	96.970447	767.03442	28218	6	12000	20131	4.525946	98.232558	91112	0.01	12000	0.99954	0.0001	282	*
ANTIMONY	6	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	291	96.970447	767.03442	28218	6	12000	16049	2.254265	3.179993	36179	1	140	0.67469	0.0001	40	*
ANTIMONY	6	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	121	205.52342	162.34894	24868	6	350	20131	4.525946	98.232558	91112	0.01	12000	0.5408	0.0025	29	*
ANTIMONY	6	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	121	205.52342	162.34894	24868	6	350	16049	2.254265	3.179993	36179	1	140	0.67723	0.0001	114	*
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	291	96.970447	767.03442	28218	6	12000	17823	7.326853	100.60661	130587	0.01	12000	0.99956	0.0001	282	*
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	291	96.970447	767.03442	28218	6	12000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	291	96.970447	767.03442	28218	6	12000	14432	5.940315	14.892349	85731	1	765	0.01878	0.9084	40	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	121	205.52342	162.34894	24868	6	350	17823	7.326853	100.60661	130587	0.01	12000	0.83895	0.0001	25	*
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	121	205.52342	162.34894	24868	6	350	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	121	205.52342	162.34894	24868	6	350	14432	5.940315	14.892349	85731	1	765	-0.26304	0.004	118	*
ANTIMONY	6	CONDUCTANCE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	291	96.970447	767.03442	28218	6	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.84632	0.0001	112	*
ANTIMONY	6	CONDUCTANCE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	121	205.52342	162.34894	24868	6	350	151404	835.24242	7585.0802	126459043	1	2400000	-0.43084	0.0001	115	*
ANTIMONY	6	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	291	96.970447	767.03442	28218	6	12000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	4	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	291	96.970447	767.03442	28218	6	12000	307	0.052834	0.444387	16.22	0.01	6	-0.21812	0.2648	28	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	121	205.52342	162.34894	24868	6	350	4413	0.026723	0.713462	117.928667	0.001	42	0.02274	0.9503	10	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	121	205.52342	162.34894	24868	6	350	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
ANTIMONY	6	DEPTH-BELOW-LAN	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	291	96.970447	767.03442	28218	6	12000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
ANTIMONY	6	DEPTH-BELOW-LAN	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	121	205.52342	162.34894	24868	6	350	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-OXYGE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	291	96.970447	767.03442	28218	6	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.24198	0.0001	263	*
ANTIMONY	6	DISSOLVED-OXYGE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	121	205.52342	162.34894	24868	6	350	83235	542.51758	153897	45156451	0.1	44400000	-0.00546	0.9586	93	
ANTIMONY	6	DISSOLVED-SOLID	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	291	96.970447	767.03442	28218	6	12000	45639	642.85223	3429.8776	29339133	3	322000	0.59405	0.0001	130	*
ANTIMONY	6	DISSOLVED-SOLID	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	121	205.52342	162.34894	24868	6	350	45639	642.85223	3429.8776	29339133	3	322000	-0.00183	0.9917	35	
ANTIMONY	6	HARDNESS	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	291	96.970447	767.03442	28218	6	12000	58733	243.24843	454.78754	14286710	1	17000	0.17934	0.0027	278	*
ANTIMONY	6	HARDNESS	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	121	205.52342	162.34894	24868	6	350	58733	243.24843	454.78754	14286710	1	17000	-0.17975	0.3015	35	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	291	96.970447	767.03442	28218	6	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	291	96.970447	767.03442	28218	6	12000	16528	3675.8675	37212	60754738	10	2800000	-0.12068	0.0754	218	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	291	96.970447	767.03442	28218	6	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.9535	0.0001	281	*
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	291	96.970447	767.03442	28218	6	12000	160	49223	258519	7875716	0.02	2440000	-0.38885	0.4461	6	
ANTIMONY	6	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	121	205.52342	162.34894	24868	6	350	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	121	205.52342	162.34894	24868	6	350	16528	3675.8675	37212	60754738	10	2800000	-0.3729	0.0001	100	*
ANTIMONY	[illegible]	[illegible]RON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	12[illegible]	[illegible]2342	162.34894	24868	6	350	43140	5389.2633	68858	232492818	0.1	2750000	-0.15[illegible]	[illegible]4508	26	
ANTIMONY	[illegible]	[illegible]N	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	12[illegible]	[illegible]2342	162.34894	24868	6	350	160	49223	258519	7875716	0.02	2440000	#N/[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation [illegible]s and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	969	27.159099	88.389881	26317	1	350	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	969	27.159099	88.389881	26317	1	350	16528	3675.8675	37212	60754738	10	2800000	-0.05218	0.1913	629	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	969	27.159099	88.389881	26317	1	350	43140	5389.2633	68858	232492818	0.1	2750000	-0.01249	0.7937	441	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	969	27.159099	88.389881	26317	1	350	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3697	8.68269	216.40147	32100	0.2	12000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3697	8.68269	216.40147	32100	0.2	12000	15168	581.52304	3916.8679	8820541	1	160000	0.09002	0.0157	720	*
ANTIMONY	0	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3697	8.68269	216.40147	32100	0.2	12000	42074	243.3273	2387.0571	10237753	0.01	151000	0.09579	0.0001	3670	*
ANTIMONY	0	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	969	27.1591	88.38988	26317	1	350	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	969	27.1591	88.38988	26317	1	350	15168	581.52304	3916.8679	8820541	1	160000	-0.06237	0.1312	587	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	969	27.1591	88.38988	26317	1	350	42074	243.3273	2387.0571	10237753	0.01	151000	-0.04439	0.3308	452	
ANTIMONY	0	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3697	8.682685	216.40147	32100	0.2	12000	5608	0.136363	0.791919	764.723333	0.1	50	0.00744	0.8474	672	
ANTIMONY	0	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3697	8.682685	216.40147	32100	0.2	12000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.08247	0.0485	573	*
ANTIMONY	0	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	969	27.159099	88.389881	26317	1	350	5608	0.136363	0.791919	764.723333	0.1	50	0.33157	0.0001	221	*
ANTIMONY	0	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	969	27.159099	88.389881	26317	1	350	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.67707	0.0001	618	*
ANTIMONY	0	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3697	8.682685	216.40147	32100	0.2	12000	19215	76.162741	672.33574	1463467	0.5	17000	0.99308	0.0001	3636	*
ANTIMONY	0	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3697	8.682685	216.40147	32100	0.2	12000	12890	18.184867	47.752014	234403	1	2400	0.02211	0.592	590	
ANTIMONY	0	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	969	27.159099	88.389881	26317	1	350	19215	76.162741	672.33574	1463467	0.5	17000	-0.03199	0.6056	263	
ANTIMONY	0	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	969	27.159099	88.389881	26317	1	350	12890	18.184867	47.752014	234403	1	2400	-0.03181	0.3538	852	
ANTIMONY	0	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3697	8.682685	216.40147	32100	0.2	12000	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.01434	0.4421	2877	
ANTIMONY	0	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3697	8.682685	216.40147	32100	0.2	12000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.10244	0.1664	184	
ANTIMONY	0	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	969	27.159099	88.389881	26317	1	350	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.10399	0.0544	343	
ANTIMONY	0	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	969	27.159099	88.389881	26317	1	350	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.04312	0.6208	134	
ANTIMONY	0	PH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3697	8.682685	216.40147	32100	0.2	12000	99613	7.568676	0.845555	753938	0.1	14	0.04165	0.0127	3579	*
ANTIMONY	0	PH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	969	27.159099	88.389881	26317	1	350	99613	7.568676	0.845555	753938	0.1	14	-0.13833	0.0001	867	*
ANTIMONY	0	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3697	8.682685	216.40147	32100	0.2	12000	15132	5.739795	49.016961	86855	1	3000	0.52096	0.0001	2355	*
ANTIMONY	0	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3697	8.682685	216.40147	32100	0.2	12000	7729	6.108779	70.618386	47215	1	5800	0.71746	0.0001	503	*
ANTIMONY	0	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	969	27.159099	88.389881	26317	1	350	15132	5.739795	49.016961	86855	1	3000	0.77263	0.0001	306	*
ANTIMONY	0	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	969	27.159099	88.389881	26317	1	350	7729	6.108779	70.618386	47215	1	5800	0.22056	0.0001	798	*
ANTIMONY	0	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3697	8.682685	216.40147	32100	0.2	12000	352	30.269574	23.93811	10655	0.1	50	0.52819	0.0001	280	*
ANTIMONY	0	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3697	8.682685	216.40147	32100	0.2	12000	1005	21.559701	50.912504	21668	1	500	0.23795	0.1199	44	
ANTIMONY	0	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	969	27.159099	88.389881	26317	1	350	352	30.269574	23.93811	10655	0.1	50	0.7342	0.0001	69	*
ANTIMONY	0	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	969	27.159099	88.389881	26317	1	350	1005	21.559701	50.912504	21668	1	500	0.99722	0.0001	321	*
ANTIMONY	0	TURBIDITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	3697	8.682685	216.40147	32100	0.2	12000	34709	38.379662	405.66108	1332120	0.1	36500	0.01322	0.6046	1536	
ANTIMONY	0	TURBIDITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	969	27.159099	88.389881	26317	1	350	34709	38.379662	405.66108	1332120	0.1	36500	0.02443	0.7332	197	
ANTIMONY	0	WELL-DEPTH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	3697	8.682685	216.40147	32100	0.2	12000	581	398.67981	390.97008	231633	3	1980	-0.95117	0.1998	3	
ANTIMONY	0	WELL-DEPTH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	969	27.159099	88.389881	26317	1	350	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
ANTIMONY	6	ALKALINITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	291	96.970447	767.03442	28218	6	12000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	1	
ANTIMONY	6	ALKALINITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	121	205.52342	162.34694	24868	6	350	8351	141.86443	79.888743	1184710	0.9	1800	0.56828	0.3175	5	
ANTIMONY	6	ARSENIC	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	291	96.970447	767.03442	28218	6	12000	10397	18.293928	493.01898	190202	1	32000	0.42581	0.0001	291	*
ANTIMONY	6	ARSENIC	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	291	96.970447	767.03442	28218	6	12000	9000	8.138151	50.541445	73243	1	3100	-0.10985	0.4524	49	
ANTIMONY	6	ARSENIC	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	121	205.52342	162.34694	24868	6	350	10397	18.293928	493.01898	190202	1	32000	-0.00692	0.9738	25	
ANTIMONY	6	ARSENIC	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	121	205.52342	162.34694	24868	6	350	9000	8.138151	50.541445	73243	1	3100	0.02424	0.7936	119	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ALKALINITY	0	CONDUCTANCE	SURFACE WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	8351	141.86443	79.888743	1184710	0.9	1800	151404	835.24242	7585.0802	126459043	1	2400000	0.06466	0.0001	8300	*
ALKALINITY	0	TURBIDITY	SURFACE WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00076	TURBIDITY-P00076-(NTU)	8351	141.86443	79.888743	1184710	0.9	1800	34709	38.379662	405.66108	1332120	0.1	36500	-0.04407	0.0395	2183	*
ANTIMONY	0	ALKALINITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3697	8.682685	216.40147	32100	0.2	12000	8351	141.86443	79.888743	1184710	0.9	1800	0.18524	0.0268	143	*
ANTIMONY	0	ALKALINITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	969	27.159099	88.389881	26317	1	350	8351	141.86443	79.888743	1184710	0.9	1800	0.26863	0.0779	44	
ANTIMONY	0	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3697	8.682685	216.40147	32100	0.2	12000	19173	53.91325	102.63829	1033679	0.2	12000	0.98305	0.0001	3638	*
ANTIMONY	0	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3697	8.682685	216.40147	32100	0.2	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3697	8.682685	216.40147	32100	0.2	12000	7990	86.273276	96.975617	689323	5	3000	-0.05925	0.4654	154	
ANTIMONY	0	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	969	27.159099	88.389881	26317	1	350	19173	53.91325	102.63829	1033679	0.2	12000	-0.02994	0.5292	444	
ANTIMONY	0	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	969	27.159099	88.389881	26317	1	350	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	969	27.159099	88.389881	26317	1	350	7990	86.273276	96.975617	689323	5	3000	-0.01848	0.7582	280	
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3697	8.68269	216.40147	32100	0.2	12000	13507	4.19948	113.72045	56722	0.05	12000	0.99945	0.0001	3644	*
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3697	8.68269	216.40147	32100	0.2	12000	9762	3.45088	8.24248	33687	0.5	710	-0.17227	0.0034	288	*
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	969	27.1591	88.38988	26317	1	350	13507	4.19948	113.72045	56722	0.05	12000	0.15527	0.0043	337	*
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	969	27.1591	88.38988	26317	1	350	9762	3.45088	8.24248	33687	0.5	710	0.02013	0.5819	751	
ANTIMONY	0	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3697	8.682685	216.40147	32100	0.2	12000	20131	4.525946	98.232558	91112	0.01	12000	0.99946	0.0001	3675	*
ANTIMONY	0	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3697	8.682685	216.40147	32100	0.2	12000	16049	2.254265	3.179993	36179	1	140	0.07059	0.0578	723	
ANTIMONY	0	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	969	27.159099	88.389881	26317	1	350	20131	4.525946	98.232558	91112	0.01	12000	0.24764	0.0001	350	*
ANTIMONY	0	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	969	27.159099	88.389881	26317	1	350	16049	2.254265	3.179993	36179	1	140	0.76349	0.0001	663	*
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3697	8.682685	216.40147	32100	0.2	12000	17823	7.326853	100.60661	130587	0.01	12000	0.99941	0.0001	3676	*
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3697	8.682685	216.40147	32100	0.2	12000	880	1.170455	1.484249	1030	1	20	0.18155	0.501	16	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3697	8.682685	216.40147	32100	0.2	12000	14432	5.940315	14.892349	85731	1	765	0.04022	0.3225	607	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	969	27.159099	88.389881	26317	1	350	17823	7.326853	100.60661	130587	0.01	12000	0.13648	0.0037	451	*
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	969	27.159099	88.389881	26317	1	350	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	969	27.159099	88.389881	26317	1	350	14432	5.940315	14.892349	85731	1	765	-0.00482	0.8887	844	
ANTIMONY	0	CONDUCTANCE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3697	8.682685	216.40147	32100	0.2	12000	151404	835.24242	7585.0802	126459043	1	2400000	0.82827	0.0001	3422	*
ANTIMONY	0	CONDUCTANCE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	969	27.159099	88.389881	26317	1	350	151404	835.24242	7585.0802	126459043	1	2400000	-0.19301	0.0001	886	*
ANTIMONY	0	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3697	8.682685	216.40147	32100	0.2	12000	4413	0.026723	0.713462	117.928667	0.001	42	0.2396	0.0006	204	*
ANTIMONY	0	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	3697	8.682685	216.40147	32100	0.2	12000	307	0.052834	0.444387	16.22	0.01	6	-0.08251	0.3693	111	
ANTIMONY	0	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	969	27.159099	88.389881	26317	1	350	4413	0.026723	0.713462	117.928667	0.001	42	0.27464	0.0001	349	*
ANTIMONY	0	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	969	27.159099	88.389881	26317	1	350	307	0.052834	0.444387	16.22	0.01	6	0	1	9	
ANTIMONY	0	DEPTH-BELOW-LAN	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3697	8.682685	216.40147	32100	0.2	12000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
ANTIMONY	0	DEPTH-BELOW-LAN	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	969	27.159099	88.389881	26317	1	350	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
ANTIMONY	0	DISSOLVED-OXYGE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3697	8.682685	216.40147	32100	0.2	12000	83235	542.51758	153897	45156451	0.1	44400000	-0.07574	0.0001	3302	*
ANTIMONY	0	DISSOLVED-OXYGE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	969	27.159099	88.389881	26317	1	350	83235	542.51758	153897	45156451	0.1	44400000	0.0276	0.4885	632	
ANTIMONY	0	DISSOLVED-SOLID	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3697	8.682685	216.40147	32100	0.2	12000	45639	642.85223	3429.8776	29339133	3	322000	0.59984	0.0001	3212	*
ANTIMONY	0	DISSOLVED-SOLID	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	969	27.159099	88.389881	26317	1	350	45639	642.85223	3429.8776	29339133	3	322000	-0.07695	0.1313	386	
ANTIMONY	0	HARDNESS	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3697	8.682685	216.40147	32100	0.2	12000	58733	243.24843	454.78754	14286710	1	17000	0.09249	0.0001	3572	*
ANTIMONY	0	HARDNESS	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	969	27.159099	88.389881	26317	1	350	58733	243.24843	454.78754	14286710	1	17000	-0.08341	0.0463	571	*
ANTIMONY	0	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3697	8.682685	216.40147	32100	0.2	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3697	8.682685	216.40147	32100	0.2	12000	16528	3675.8675	37212	60754738	10	2800000	-0.05833	0.0955	818	
ANTIMONY	[illegible]	[illegible]RON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3697	[illegible]2685	216.40147	32100	0.2	12000	43140	5389.2633	68858	232492818	0.1	2750000	0.46[illegible]	[illegible]0.0001	3406	*
ANTIMONY	[illegible]	[illegible]N	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	369[illegible]	[illegible]685	216.40147	32100	0.2	12000	160	49223	258519	7875716	0.02	2440000	-0.4[illegible]	[illegible]1125	15	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	24	16669	42127	400067	77	210000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	24	16669	42127	400067	77	210000	2327	12508	62820	29106465	10	980000	#N/A	#N/A	0	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	24	16669	42127	400067	77	210000	22424	2358 813	28780	52894030	0 1	2180000	-0 07552	0 7258	24	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	24	16669	42127	400067	77	210000	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	24	16669	42127	400067	77	210000	7	9 28571	20 18382	65	1	55	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	24	16669	42127	400067	77	210000	1774	1132.239	6378 538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	24	16669	42127	400067	77	210000	21991	1007.092	17620	22146953	0 01	1130000	-0 10911	0 6118	24	
URANIUM-238	60	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	24	16669	42127	400067	77	210000	3232	0 123963	0 198296	400 65	0 1	5 5	#N/A	#N/A	18	
URANIUM-238	60	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	24	16669	42127	400067	77	210000	1030	0 296816	0.435845	305 72	0 01	4.5	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	24	16669	42127	400067	77	210000	6399	50.13064	681 1727	320786	0 02	24600	-0 09005	0 6756	24	
URANIUM-238	60	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	24	16669	42127	400067	77	210000	818	21 85697	53 28237	17879	1	590	#N/A	#N/A	0	
URANIUM-238	60	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	24	16669	42127	400067	77	210000	5663	8.003763	38 93465	45325	0 001	1600	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	24	16669	42127	400067	77	210000	23214	0 037058	0 289409	860 264897	0.001	25	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	24	16669	42127	400067	77	210000	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
URANIUM-238	60	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	24	16669	42127	400067	77	210000	43861	7 122161	0 878663	312385	0.1	12 8	0 14169	0 509	24	
URANIUM-238	60	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	24	16669	42127	400067	77	210000	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	24	16669	42127	400067	77	210000	154	1 227987	1 930945	189 11	0 02	14	0 65917	0 5418	3	
URANIUM-238	60	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	24	16669	42127	400067	77	210000	230	0 280176	0 551313	64 4405	0 009	6 14	0 65871	0 5422	3	
URANIUM-238	60	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	24	16669	42127	400067	77	210000	4914	32 0677	18 5323	157581	7	250	-0 09753	0 6825	20	
URANIUM-238	60	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	24	16669	42127	400067	77	210000	4995	1162.253	3158 094	5805454	7	82082	-0 11216	0 6284	21	
URANIUM-238	60	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	24	16669	42127	400067	77	210000	7865	55 57754	657 8106	437117	1	27000	-0 15147	0 4799	24	
URANIUM-238	60	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	24	16669	42127	400067	77	210000	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
URANIUM-238	60	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	24	16669	42127	400067	77	210000	26730	231 201	990 9965	6180003	0 03	37000	-0 04613	0 8305	24	
URANIUM-238	60	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	24	16669	42127	400067	77	210000	848	9 369458	17.94903	7945.3	0 5	102	0 88569	0 3074	3	
URANIUM-238	60	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	24	16669	42127	400067	77	210000	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	0	
URANIUM-238	60	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	24	16669	42127	400067	77	210000	2359	23 38229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
URANIUM-238	60	URANIUM-235	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	24	16669	42127	400067	77	210000	141	56 54043	200 9786	7972 2	0 1	1300	0 42709	0 0374	24	*
URANIUM-238	60	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	24	16669	42127	400067	77	210000	105993	257 8247	364 157	27327615	0 5	7106	-0 31097	0 3252	12	
WELL-DEPTH	0	ALKALINITY	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	105993	257 8247	364 157	27327615	0 5	7106	2642	204 9232	148 8865	541407	3	4500	-0 052	0 0157	2157	*
WELL-DEPTH	0	CONDUCTANCE	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	105993	257 8247	364 157	27327615	0 5	7106	56711	1443 287	4887 848	81850239	1	249000	0 01442	0 0015	48226	*
WELL-DEPTH	0	DEPTH-BELOW-LAN	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P72019	DEPTH BELOW LAND-P72019-(FEET)	105993	257 8247	364 157	27327615	0 5	7106	18561	2322.994	304366	43117092	0 02	41465000	-0 00238	0 7553	17097	
WELL-DEPTH	0	DISSOLVED-OXYGE	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	105993	257.8247	364 157	27327615	0 5	7106	21569	3 824813	7.578481	82497	0 1	545 4	0 03512	0 0001	17884	*
WELL-DEPTH	0	PH	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	105993	257 8247	364 157	27327615	0 5	7106	43861	7.122161	0 878663	312385	0.1	12 8	0 32096	0 0001	37006	*
WELL-DEPTH	0	TURBIDITY	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00076	TURBIDITY-P00076-(NTU)	105993	257.8247	364 157	27327615	0.5	7106	2359	23 38229	85 84469	55112	0 01	1000	-0 08565	0 0002	1905	*

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	50	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	25	16005	41374	400124	57	210000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	25	16005	41374	400124	57	210000	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	25	16005	41374	400124	57	210000	21991	1007.092	17620	22146953	0.01	1130000	-0.09411	0.6546	25	
URANIUM-238	50	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	25	16005	41374	400124	57	210000	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	18	
URANIUM-238	50	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	25	16005	41374	400124	57	210000	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	25	16005	41374	400124	57	210000	6399	50.13064	681.1727	320786	0.02	24800	-0.07575	0.7189	25	
URANIUM-238	50	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	25	16005	41374	400124	57	210000	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
URANIUM-238	50	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	25	16005	41374	400124	57	210000	5663	8.003783	38.93465	45325	0.001	1600	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	25	16005	41374	400124	57	210000	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	1	
URANIUM-238	50	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	25	16005	41374	400124	57	210000	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
URANIUM-238	50	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	25	16005	41374	400124	57	210000	43861	7.122161	0.876663	312385	0.1	12.8	0.1178	0.5749	25	
URANIUM-238	50	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	25	16005	41374	400124	57	210000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	25	16005	41374	400124	57	210000	154	1.227987	1.930945	189.11	0.02	14	0.65917	0.5418	3	
URANIUM-238	50	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	25	16005	41374	400124	57	210000	230	0.280176	0.551313	64.4405	0.009	6.14	0.65871	0.5422	3	
URANIUM-238	50	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	25	16005	41374	400124	57	210000	4914	32.0677	18.5323	157581	7	250	-0.07813	0.7364	21	
URANIUM-238	50	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	25	16005	41374	400124	57	210000	4995	1162.253	3158.094	5805454	7	82082	-0.10015	0.6575	22	
URANIUM-238	50	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	25	16005	41374	400124	57	210000	7865	55.57754	657.8106	437117	1	27000	-0.15748	0.4522	25	
URANIUM-238	50	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	25	16005	41374	400124	57	210000	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
URANIUM-238	50	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	25	16005	41374	400124	57	210000	26730	231.201	990.9965	6180003	0.03	37000	-0.03287	0.876	25	
URANIUM-238	50	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	25	16005	41374	400124	57	210000	848	9.369458	17.94903	7945.3	0.5	102	0.88569	0.3074	3	
URANIUM-238	50	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	25	16005	41374	400124	57	210000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
URANIUM-238	50	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	25	16005	41374	400124	57	210000	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
URANIUM-238	50	URANIUM-235	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	25	16005	41374	400124	57	210000	141	56.54043	200.9786	7972.2	0.1	1300	0.43316	0.0305	25	*
URANIUM-238	50	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	25	16005	41374	400124	57	210000	105993	257.6247	364.157	27327615	0.5	7106	-0.14087	0.6462	13	
URANIUM-238	60	ALKALINITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	24	16669	42127	400067	77	210000	2642	204.9232	148.8865	541407	3	4500	-0.89997	0.2872	3	
URANIUM-238	60	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	24	16669	42127	400067	77	210000	2940	7.838537	29.93498	23045	1	200	0.51655	0.6544	3	
URANIUM-238	60	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	24	16669	42127	400067	77	210000	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
URANIUM-238	60	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	24	16669	42127	400067	77	210000	9943	9.090013	72.56837	90382	1	3800	-0.06543	0.7724	22	
URANIUM-238	60	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	24	16669	42127	400067	77	210000	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	24	16669	42127	400067	77	210000	8200	120.7616	269.9694	990245	1	10000	-0.16801	0.4326	24	
URANIUM-238	60	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	24	16669	42127	400067	77	210000	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	24	16669	42127	400067	77	210000	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	24	16669	42127	400067	77	210000	6332	1.869	12.88026	11835	0.1	406	-0.16316	0.4462	24	
URANIUM-238	60	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	24	16669	42127	400067	77	210000	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	24	16669	42127	400067	77	210000	9321	7.570965	108.6909	70569	0.01	5675	-0.12865	0.5491	24	
URANIUM-238	60	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	24	16669	42127	400067	77	210000	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	24	16669	42127	400067	77	210000	9790	9.877542	276.7559	96701	0.02	27300	-0.08323	0.699	24	
URANIUM-238	60	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	24	16669	42127	400067	77	210000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	24	16669	42127	400067	77	210000	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-238	60	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	24	16669	42127	400067	77	210000	58711	1443.287	4887.848	81850239	1	249000	-0.11332	0.598	24	
URANIUM-238	60	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	24	16669	42127	400067	77	210000	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	24	16669	42127	400067	77	210000	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
URANIUM-238	60	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	24	16669	42127	400067	77	210000	18561	2322.994	304366	43117092	0.02	41465000	-0.26446	0.4603	10	
URANIUM-238	60	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	24	16669	42127	400067	77	210000	21569	3.824813	7.578481	82497	0.1	545.4	0.44886	0.0707	17	
URANIUM-238	60	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	24	16669	42127	400067	77	210000	20725	1497.404	13499	31033701	6	319000	-0.14457	0.6375	13	
URANIUM-238	60	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	24	16669	42127	400067	77	210000	25507	382.224	1096.769	9749388	1	28000	0.06662		24	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	20	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	44	9105 341	31930	400635	20	210000	1030	0 296816	0 435845	305 72	0 01	4 5	#N/A	#N/A	0	
URANIUM-238	20	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	44	9105 341	31930	400635	20	210000	6399	50 13064	681 1727	320786	0 02	24600	0 04932	0 7505	44	
URANIUM-238	20	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	44	9105.341	31930	400635	20	210000	818	21 85697	53 28237	17879	1	590	#N/A	#N/A	0	
URANIUM-238	20	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	44	9105 341	31930	400635	20	210000	5663	8 003763	38 93465	45325	0 001	1600	-0 25217	0 8377	3	
URANIUM-238	20	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	44	9105 341	31930	400635	20	210000	23214	0 037058	0 289409	860 264897	0 001	25	-0 23161	0 4932	11	
URANIUM-238	20	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	44	9105 341	31930	400635	20	210000	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
URANIUM-238	20	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	44	9105 341	31930	400635	20	210000	43861	7.122161	0 878663	312385	0 1	12 8	-0 04688	0 7625	44	
URANIUM-238	20	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	44	9105.341	31930	400635	20	210000	99	1.289899	3 734492	127.7	0.1	31	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	44	9105 341	31930	400635	20	210000	154	1 227987	1 930945	189 11	0.02	14	0 65917	0 5418	3	
URANIUM-238	20	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	44	9105 341	31930	400635	20	210000	230	0 280176	0 551313	64.4405	0 009	6 14	0 65871	0 5422	3	
URANIUM-238	20	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	44	9105 341	31930	400635	20	210000	4914	32 0677	18.5323	157581	7	250	-0 02711	0 8681	40	
URANIUM-238	20	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	44	9105 341	31930	400635	20	210000	4995	1162 253	3158 094	5805454	7	82082	-0 06625	0 6807	41	
URANIUM-238	20	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	44	9105 341	31930	400635	20	210000	7865	55 57754	657 8106	437117	1	27000	-0 13381	0 3865	44	
URANIUM-238	20	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	44	9105 341	31930	400635	20	210000	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
URANIUM-238	20	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	44	9105 341	31930	400635	20	210000	26730	231 201	990 9965	6180003	0 03	37000	0 12163	0 4308	44	
URANIUM-238	20	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	44	9105 341	31930	400635	20	210000	848	9 369458	17 94903	7945 3	0 5	102	0 88569	0 3074	3	
URANIUM-238	20	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	44	9105 341	31930	400635	20	210000	350	4.434286	7 27558	1552	1	50	#N/A	#N/A	0	
URANIUM-238	20	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	44	9105 341	31930	400635	20	210000	2359	23 36229	85.84469	55112	0 01	1000	#N/A	#N/A	0	
URANIUM-238	20	URANIUM-235	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	44	9105 341	31930	400635	20	210000	141	56.54043	200 9786	7972 2	0 1	1300	0 48822	0 0008	44	*
URANIUM-238	20	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	44	9105 341	31930	400635	20	210000	105993	257.6247	364.157	27327615	0 5	7106	0 26697	0 2146	23	
URANIUM-238	50	ALKALINITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	25	16005	41374	400124	57	210000	2642	204 9232	148.8865	541407	3	4500	-0 89997	0 2872	3	
URANIUM-238	50	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	25	16005	41374	400124	57	210000	2940	7.838537	29 93498	23045	1	200	0 64942	0 3506	4	
URANIUM-238	50	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	25	16005	41374	400124	57	210000	482	28 07158	61 3558	13531	1	200	#N/A	#N/A	0	
URANIUM-238	50	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	25	16005	41374	400124	57	210000	9943	9 090013	72 56837	90382	1	3800	-0 05821	0 7919	23	
URANIUM-238	50	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	25	16005	41374	400124	57	210000	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	25	16005	41374	400124	57	210000	8200	120 7616	269 9694	990245	1	10000	-0 15679	0 4542	25	
URANIUM-238	50	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	25	16005	41374	400124	57	210000	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	25	16005	41374	400124	57	210000	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-238	50	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	25	16005	41374	400124	57	210000	6332	1 869	12 88026	11835	0 1	406	-0 14368	0 4932	25	
URANIUM-238	50	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	25	16005	41374	400124	57	210000	627	3 52998	5 18639	2213.3	0 5	25	#N/A	#N/A	0	
URANIUM-238	50	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	25	16005	41374	400124	57	210000	9321	7 570965	108 6909	70569	0 01	5675	-0 11219	0 5934	25	
URANIUM-238	50	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	25	16005	41374	400124	57	210000	1131	4 464633	6 25633	5049.5	1	100	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	25	16005	41374	400124	57	210000	9790	9.877542	276 7559	96701	0 02	27300	-0 06263	0 7661	25	
URANIUM-238	50	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	25	16005	41374	400124	57	210000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	25	16005	41374	400124	57	210000	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-238	50	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	25	16005	41374	400124	57	210000	56711	1443 287	4687.848	81850239	1	249000	-0 10731	0 6096	25	
URANIUM-238	50	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	25	16005	41374	400124	57	210000	565	0 650733	3 513117	367 664	0 001	20	#N/A	#N/A	0	
URANIUM-238	50	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	25	16005	41374	400124	57	210000	1396	1 095165	12 00667	1528 85	0 01	280	#N/A	#N/A	0	
URANIUM-238	50	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	25	16005	41374	400124	57	210000	18561	2322 994	304366	43117092	0 02	41465000	-0 26446	0 4603	10	
URANIUM-238	50	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	25	16005	41374	400124	57	210000	21569	3 824813	7.576481	82497	0 1	545 4	0 45389	0 0585	18	
URANIUM-238	50	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	25	16005	41374	400124	57	210000	20725	1497.404	13499	31033701	6	319000	-0 13091	0 6555	14	
URANIUM-238	50	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	25	16005	41374	400124	57	210000	25507	382 224	1096.769	9749388	1	28000	0 07775	0 7118	25	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	25	16005	41374	400124	57	210000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	25	16005	41374	400124	57	210000	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	25	16005	41374	400124	57	210000	22424	2358.813	28780	52894030	0 1	2180000	-0 06971	0 7406	25	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	25	16005	41374	400124	57	210000	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	5	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	80	5012.84	23993	401027	5.2	210000	23214	0.037058	0.289409	860.264897	0.001	25	0.23614	0.1594	37	
URANIUM-238	5	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	80	5012.84	23993	401027	5.2	210000	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
URANIUM-238	5	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	80	5012.84	23993	401027	5.2	210000	43861	7.122161	0.878663	312385	0.1	12.8	-0.12509	0.2883	74	
URANIUM-238	5	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	80	5012.84	23993	401027	5.2	210000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	5	
URANIUM-238	5	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	80	5012.84	23993	401027	5.2	210000	154	1.227987	1.930945	189.11	0.02	14	0.53963	0.2112	7	
URANIUM-238	5	RADIUM-226	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	80	5012.84	23993	401027	5.2	210000	230	0.280176	0.551313	64.4405	0.009	6.14	0.61119	0.0347	12	*
URANIUM-238	5	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	80	5012.84	23993	401027	5.2	210000	4914	32.0677	18.5323	157581	7	250	0.01268	0.9189	67	
URANIUM-238	5	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	80	5012.84	23993	401027	5.2	210000	4995	1162.253	3158.094	5805454	7	82082	-0.02362	0.8484	68	
URANIUM-238	5	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	80	5012.84	23993	401027	5.2	210000	7865	55.57754	657.8106	437117	1	27000	-0.12194	0.2875	78	
URANIUM-238	5	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	80	5012.84	23993	401027	5.2	210000	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	1	
URANIUM-238	5	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	80	5012.84	23993	401027	5.2	210000	26730	231.201	990.9965	6180003	0.03	37000	0.1933	0.0878	79	
URANIUM-238	5	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	80	5012.84	23993	401027	5.2	210000	848	9.369458	17.94903	7945.3	0.5	102	0.93451	0.0007	8	*
URANIUM-238	5	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	80	5012.84	23993	401027	5.2	210000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
URANIUM-238	5	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	80	5012.84	23993	401027	5.2	210000	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
URANIUM-238	5	URANIUM-235	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	80	5012.84	23993	401027	5.2	210000	141	56.54043	200.9786	7972.2	0.1	1300	0.51543	0.0001	80	*
URANIUM-238	5	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	80	5012.84	23993	401027	5.2	210000	105993	257.8247	364.157	27327615	0.5	7106	0.34322	0.0242	43	*
URANIUM-238	20	ALKALINITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	44	9105.341	31930	400635	20	210000	2642	204.9232	148.8865	541407	3	4500	-0.89997	0.2872	3	
URANIUM-238	20	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	44	9105.341	31930	400635	20	210000	2940	7.838537	29.93498	23045	1	200	0.7607	0.0016	14	*
URANIUM-238	20	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	44	9105.341	31930	400635	20	210000	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	44	9105.341	31930	400635	20	210000	9943	9.090013	72.56837	90382	1	3800	-0.01335	0.9331	42	
URANIUM-238	20	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	44	9105.341	31930	400635	20	210000	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	44	9105.341	31930	400635	20	210000	8200	120.7616	269.9694	990245	1	10000	-0.06527	0.6738	44	
URANIUM-238	20	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	44	9105.341	31930	400635	20	210000	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	44	9105.341	31930	400635	20	210000	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	44	9105.341	31930	400635	20	210000	6332	1.869	12.88026	11835	0.1	406	0.01709	0.9123	44	
URANIUM-238	20	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	44	9105.341	31930	400635	20	210000	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	44	9105.341	31930	400635	20	210000	9321	7.570965	108.8909	70569	0.01	5875	0.02868	0.8534	44	
URANIUM-238	20	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	44	9105.341	31930	400635	20	210000	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	44	9105.341	31930	400635	20	210000	9790	9.877542	276.7559	96701	0.02	27300	0.09557	0.5372	44	
URANIUM-238	20	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	44	9105.341	31930	400635	20	210000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	44	9105.341	31930	400635	20	210000	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-238	20	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	44	9105.341	31930	400635	20	210000	56711	1443.287	4687.848	81850239	1	249000	-0.01963	0.8994	44	
URANIUM-238	20	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	44	9105.341	31930	400635	20	210000	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	44	9105.341	31930	400635	20	210000	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
URANIUM-238	20	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	44	9105.341	31930	400635	20	210000	18561	2322.994	304366	43117092	0.02	41465000	-0.20726	0.4969	13	
URANIUM-238	20	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	44	9105.341	31930	400635	20	210000	21569	3.824813	7.578481	82497	0.1	545.4	0.30884	0.0631	37	
URANIUM-238	20	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	44	9105.341	31930	400635	20	210000	20725	1497.404	13499	31033701	6	319000	-0.01211	0.9467	33	
URANIUM-238	20	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	44	9105.341	31930	400635	20	210000	25507	382.224	1096.769	9749388	1	28000	0.21388	0.1633	44	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	44	9105.341	31930	400635	20	210000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	44	9105.341	31930	400635	20	210000	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	44	9105.341	31930	400635	20	210000	22424	2358.813	28780	52894030	0.1	2180000	-0.01314	0.9325	44	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	44	9105.341	31930	400635	20	210000	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	44	9105.341	31930	400635	20	210000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	44	9105.341	31930	400635	20	210000	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	44	9105.341	31930	400635	20	210000	21991	1007.092	17620	22146953	0.01	1130000	0.03454	0.8236	44	
URANIUM-238	20	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	[illegible]	[illegible]05.341	31930	400635	20	210000	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	[illegible]	24	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	0	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	141	2844 557	18195	401083	0 1	210000	1030	0 296816	0 435845	305 72	0 01	4 5	-0 18401	0 6929	7	
URANIUM-238	0	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	141	2844 557	18195	401083	0.1	210000	6399	50 13064	681 1727	320786	0 02	24600	0 13393	0 1287	130	
URANIUM-238	0	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	141	2844 557	18195	401083	0 1	210000	818	21 85697	53 28237	17879	1	590	-0 22151	0 6732	6	
URANIUM-238	0	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	141	2844 557	18195	401083	0.1	210000	23214	0 037058	0 289409	860 264897	0 001	25	0 2655	0 0119	89	*
URANIUM-238	0	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	141	2844 557	18195	401083	0 1	210000	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
URANIUM-238	0	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	141	2844 557	18195	401083	0 1	210000	43861	7.122181	0 878663	312385	0.1	12 8	-0 12934	0 144	129	
URANIUM-238	0	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	141	2844 557	18195	401083	0 1	210000	7865	55 57754	657 8106	437117	1	27000	-0 07162	0 4331	122	
URANIUM-238	0	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	141	2844.557	18195	401083	0 1	210000	961	2 578564	3 089181	2478	1	31	0 99823	0 0001	6	*
URANIUM-238	0	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	141	2844 557	18195	401083	0.1	210000	848	9 369458	17 94903	7945 3	0 5	102	0 93451	0 0007	8	*
URANIUM-238	0	THALLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	141	2844 557	18195	401083	0 1	210000	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	0	
URANIUM-238	0	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	141	2844 557	18195	401083	0 1	210000	2359	23 36229	85 84469	55112	0 01	1000	0	1	5	
URANIUM-238	0	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	141	2844.557	18195	401083	0 1	210000	105993	257 8247	364 157	27327615	0 5	7106	0 03372	0 8087	54	
URANIUM-238	5	ALKALINITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	80	5012 84	23993	401027	5 2	210000	2642	204 9232	148 8865	541407	3	4500	-0 89997	0 2872	3	
URANIUM-238	5	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	80	5012 84	23993	401027	5 2	210000	2940	7.838537	29 93498	23045	1	200	0 76095	0 0001	35	*
URANIUM-238	5	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	80	5012 84	23993	401027	5 2	210000	482	28 07158	61 3558	13531	1	200	#N/A	#N/A	1	
URANIUM-238	5	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	80	5012 84	23993	401027	5 2	210000	9943	9 090013	72 56837	90382	1	3800	-0 03396	0 7724	75	
URANIUM-238	5	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	80	5012 84	23993	401027	5 2	210000	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	1	
URANIUM-238	5	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	80	5012 84	23993	401027	5 2	210000	8200	120 7816	269 9694	990245	1	10000	-0 05395	0 639	78	
URANIUM-238	5	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	80	5012 84	23993	401027	5 2	210000	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	80	5012 84	23993	401027	5 2	210000	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	1	
URANIUM-238	5	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	80	5012.84	23993	401027	5 2	210000	6332	1.869	12.88026	11835	0 1	406	0 0864	0 4519	78	
URANIUM-238	5	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	80	5012 84	23993	401027	5 2	210000	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	1	
URANIUM-238	5	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	80	5012 84	23993	401027	5 2	210000	9321	7 570965	108 8909	70569	0 01	5875	0 09226	0 4218	78	
URANIUM-238	5	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	80	5012 84	23993	401027	5 2	210000	1131	4.464633	6.25633	5049 5	1	100	0 11678	0 748	10	
URANIUM-238	5	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	80	5012 84	23993	401027	5 2	210000	9790	9 877542	276 7559	96701	0 02	27300	0 16175	0 1571	78	
URANIUM-238	5	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	80	5012 84	23993	401027	5 2	210000	952	13 00315	41.66239	12379	1	630	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	80	5012 84	23993	401027	5 2	210000	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	1	
URANIUM-238	5	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	80	5012 84	23993	401027	5 2	210000	58711	1443 287	4687.848	81850239	1	249000	0 02888	0 8044	76	
URANIUM-238	5	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	80	5012 84	23993	401027	5 2	210000	565	0 650733	3 513117	367 664	0 001	20	#N/A	#N/A	0	
URANIUM-238	5	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	80	5012 84	23993	401027	5 2	210000	1396	1.095165	12.00667	1528 85	0 01	280	#N/A	#N/A	0	
URANIUM-238	5	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	80	5012 84	23993	401027	5 2	210000	18561	2322 994	304366	43117092	0 02	41465000	-0 16592	0 5708	14	
URANIUM-238	5	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	80	5012 84	23993	401027	5 2	210000	21569	3 824813	7 578481	82497	0.1	545 4	0 174	0 1726	63	
URANIUM-238	5	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	80	5012 84	23993	401027	5 2	210000	20725	1497 404	13499	31033701	6	319000	0 02748	0 8293	64	
URANIUM-238	5	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	80	5012 84	23993	401027	5 2	210000	25507	382 224	1096 769	9749388	1	28000	0 27353	0 0147	79	*
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	80	5012 84	23993	401027	5 2	210000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	80	5012 84	23993	401027	5 2	210000	2327	12508	62620	29106465	10	960000	#N/A	#N/A	1	
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	80	5012.84	23993	401027	5 2	210000	22424	2358 813	28780	52894030	0 1	2160000	0 01734	0 8795	79	
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	80	5012.84	23993	401027	5 2	210000	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	80	5012 84	23993	401027	5 2	210000	7	9 28571	20.16362	65	1	55	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	80	5012 84	23993	401027	5 2	210000	1774	1132 239	6376 538	2008592	1	160000	0 68189	0 205	5	
URANIUM-238	5	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	80	5012 84	23993	401027	5.2	210000	21991	1007.092	17620	22148953	0 01	1130000	0 09602	0 3999	79	
URANIUM-238	5	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	80	5012 84	23993	401027	5.2	210000	3232	0 123963	0 198296	400 65	0 1	5 5	#N/A	#N/A	40	
URANIUM-238	5	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	80	5012 84	23993	401027	5 2	210000	1030	0 296816	0 435845	305.72	0 01	4 5	#N/A	#N/A	1	
URANIUM-238	5	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	80	5012 84	23993	401027	5 2	210000	6399	50.13064	681.1727	320786	0 02	24600	0 10707	0 3508	78	
URANIUM-238	5	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	80	5012.84	23993	401027	5.2	210000	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	1	
URANIUM-238	5	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	80	5012.84	23993	401027	5 2	210000	5663	8.003763	38 93465	45325	0 001	1600	-0 25217	0 8377	3	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	60	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14	550 7143	377 3469	7710	61	1300	818	21 85697	53 28237	17879	1	590	#N/A	#N/A	0	
URANIUM-235	60	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	14	550 7143	377 3469	7710	61	1300	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14	550 7143	377 3469	7710	61	1300	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14	550 7143	377 3469	7710	61	1300	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
URANIUM-235	60	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14	550 7143	377 3469	7710	61	1300	43861	7 122161	0 878663	312385	0 1	12 8	-0 06322	0 83	14	
URANIUM-235	60	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	14	550 7143	377 3469	7710	61	1300	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	14	550 7143	377 3469	7710	61	1300	154	1 227987	1.930945	189 11	0 02	14	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	14	550 7143	377 3469	7710	61	1300	230	0 280176	0 551313	64.4405	0 009	6 14	#N/A	#N/A	0	
URANIUM-235	60	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	14	550 7143	377 3469	7710	61	1300	4914	32 0677	18 5323	157581	7	250	-0 16479	0 5906	13	
URANIUM-235	60	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	14	550 7143	377 3469	7710	61	1300	4995	1162 253	3158 094	5805454	7	82082	-0 25849	0 3722	14	
URANIUM-235	60	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14	550 7143	377.3469	7710	61	1300	7865	55 57754	657 8106	437117	1	27000	-0 21699	0.4562	14	
URANIUM-235	60	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14	550 7143	377 3469	7710	61	1300	961	2.578564	3 089181	2478	1	31	#N/A	#N/A	0	
URANIUM-235	60	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	14	550 7143	377 3469	7710	61	1300	26730	231 201	990 9965	6180003	0.03	37000	-0 17845	0 5416	14	
URANIUM-235	60	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14	550 7143	377 3469	7710	61	1300	848	9 369458	17 94903	7945 3	0 5	102	#N/A	#N/A	0	
URANIUM-235	60	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14	550 7143	377 3469	7710	61	1300	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	0	
URANIUM-235	60	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	14	550 7143	377 3469	7710	61	1300	2359	23 36229	85 64469	55112	0 01	1000	#N/A	#N/A	0	
URANIUM-235	60	URANIUM-238	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14	550.7143	377 3469	7710	61	1300	141	2844 557	18195	401083	0.1	210000	0 32657	0 2545	14	
URANIUM-235	60	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	14	550 7143	377 3469	7710	61	1300	105993	257.8247	364.157	27327615	0 5	7106	-0 42827	0.3378	7	
URANIUM-238	0	ALKALINITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	141	2844 557	18195	401083	0 1	210000	2642	204 9232	148 8865	541407	3	4500	-0 95754	0 0027	6	*
URANIUM-238	0	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	141	2844 557	18195	401083	0 1	210000	2940	7.638537	29 93498	23045	1	200	0 7451	0 0001	52	*
URANIUM-238	0	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	141	2844 557	18195	401083	0 1	210000	482	28 07158	61.3558	13531	1	200	-0 24432	0.6408	6	
URANIUM-238	0	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	141	2844 557	18195	401083	0.1	210000	8200	120.7616	269 9694	990245	1	10000	-0 06355	0 4726	130	
URANIUM-238	0	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	141	2844 557	18195	401083	0 1	210000	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	141	2844 557	18195	401083	0 1	210000	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	6	
URANIUM-238	0	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	141	2844 557	18195	401083	0.1	210000	6332	1 869	12 88026	11835	0 1	406	0 11761	0 1826	130	
URANIUM-238	0	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	141	2844 557	18195	401083	0.1	210000	627	3 52998	5.18639	2213 3	0.5	25	#N/A	#N/A	6	
URANIUM-238	0	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	141	2844 557	18195	401083	0 1	210000	9321	7.570965	108 8909	70569	0 01	5675	0 12181	0 1674	130	
URANIUM-238	0	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	141	2844 557	18195	401083	0 1	210000	1131	4 464633	6 25633	5049 5	1	100	-0 34955	0 0251	41	*
URANIUM-238	0	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	141	2844 557	18195	401083	0 1	210000	9790	9 877542	276 7559	96701	0 02	27300	0.19209	0.0278	131	*
URANIUM-238	0	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	141	2844 557	18195	401083	0 1	210000	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	1	
URANIUM-238	0	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	141	2844 557	18195	401083	0 1	210000	1274	13 5	43 20096	17199	1	1100	-0.16655	0 7212	7	
URANIUM-238	0	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	141	2844 557	18195	401083	0 1	210000	56711	1443 287	4687 848	81850239	1	249000	0 06255	0 4779	131	
URANIUM-238	0	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	141	2844 557	18195	401083	0 1	210000	565	0 650733	3 513117	367 664	0 001	20	#N/A	#N/A	0	
URANIUM-238	0	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	141	2844 557	18195	401083	0.1	210000	1396	1.095165	12.00667	1528 85	0.01	280	#N/A	#N/A	0	
URANIUM-238	0	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	141	2844 557	18195	401083	0 1	210000	18561	2322 994	304366	43117092	0 02	41465000	-0 26267	0 2923	18	
URANIUM-238	0	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	141	2844 557	18195	401083	0.1	210000	21569	3 824813	7 578481	82497	0 1	545 4	0 13233	0 242	80	
URANIUM-238	0	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	141	2844 557	18195	401083	0.1	210000	20725	1497.404	13499	31033701	6	319000	0 04358	0 6783	93	
URANIUM-238	0	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	141	2844 557	18195	401083	0.1	210000	25507	382 224	1096 769	9749388	1	28000	0 30212	0 0004	136	*
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	141	2844 557	18195	401083	0.1	210000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	141	2844 557	18195	401083	0.1	210000	2327	12508	62820	29106485	10	960000	-0 54362	0 2649	6	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	141	2844 557	18195	401083	0.1	210000	22424	2358 813	28780	52894030	0 1	2180000	0.03268	0 7046	137	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	141	2844 557	18195	401083	0.1	210000	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	141	2844 557	18195	401083	0.1	210000	7	9 28571	20.16362	65	1	55	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	141	2844 557	18195	401083	0 1	210000	1774	1132 239	6376 538	2008592	1	160000	0 13422	0 4351	36	
URANIUM-238	0	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	141	2844 557	18195	401083	0.1	210000	21991	1007.092	17620	22146953	0 01	1130000	0 12521	0 1449	137	
URANIUM-238	0	MERCURY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	141	2844 557	18195	401083	0.1	210000	3232	0 123963	0 198296	400 65	0 1	5 5	-0 02104		88	

Appendix E-threshold. National correlation analysis. Correla[illegible]ents and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	50	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	15	517.8667	385.2329	7768	58	1300	43881	7.122181	0.878663	312385	0.1	12.8	-0.04125	0.884	15	
URANIUM-235	50	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	15	517.8667	385.2329	7768	58	1300	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	15	517.8667	385.2329	7768	58	1300	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	15	517.8667	385.2329	7768	58	1300	230	0.280176	0.551313	64.4405	0.009	8.14	#N/A	#N/A	0	
URANIUM-235	50	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	15	517.8667	385.2329	7768	58	1300	4914	32.0677	18.5323	157581	7	250	-0.22237	0.4448	14	
URANIUM-235	50	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	15	517.8667	385.2329	7768	58	1300	4995	1162.253	3158.094	5805454	7	82082	-0.27714	0.3173	15	
URANIUM-235	50	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	15	517.8667	385.2329	7768	58	1300	7865	55.57754	657.8106	437117	1	27000	-0.30163	0.2746	15	
URANIUM-235	50	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	15	517.8667	385.2329	7768	58	1300	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
URANIUM-235	50	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	15	517.8667	385.2329	7768	58	1300	26730	231.201	990.9965	6180003	0.03	37000	-0.07825	0.7816	15	
URANIUM-235	50	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	15	517.8667	385.2329	7768	58	1300	846	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
URANIUM-235	50	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	15	517.8667	385.2329	7768	58	1300	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
URANIUM-235	50	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	15	517.8667	385.2329	7768	58	1300	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
URANIUM-235	50	URANIUM-238	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	15	517.8667	385.2329	7768	58	1300	141	2844.557	18195	401083	0.1	210000	0.34745	0.2045	15	
URANIUM-235	50	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	15	517.8667	385.2329	7768	58	1300	105993	257.8247	364.157	27327815	0.5	7106	-0.14313	0.7353	8	
URANIUM-235	60	ALKALINITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14	550.7143	377.3469	7710	61	1300	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
URANIUM-235	60	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14	550.7143	377.3469	7710	61	1300	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
URANIUM-235	60	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14	550.7143	377.3469	7710	61	1300	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	14	550.7143	377.3469	7710	61	1300	9943	9.090013	72.56837	90382	1	3800	0.0567	0.8811	12	
URANIUM-235	60	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	14	550.7143	377.3469	7710	61	1300	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	14	550.7143	377.3469	7710	61	1300	8200	120.7616	269.9694	990245	1	10000	-0.2849	0.3235	14	
URANIUM-235	60	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14	550.7143	377.3469	7710	61	1300	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14	550.7143	377.3469	7710	61	1300	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14	550.7143	377.3469	7710	61	1300	6332	1.869	12.88026	11835	0.1	406	-0.35008	0.2198	14	
URANIUM-235	60	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14	550.7143	377.3469	7710	61	1300	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14	550.7143	377.3469	7710	61	1300	9321	7.570965	108.8909	70569	0.01	5675	-0.12025	0.6822	14	
URANIUM-235	60	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14	550.7143	377.3469	7710	61	1300	1131	4.464633	6.25833	5049.5	1	100	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14	550.7143	377.3469	7710	61	1300	9790	9.877542	278.7559	96701	0.02	27300	-0.21061	0.4698	14	
URANIUM-235	60	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14	550.7143	377.3469	7710	61	1300	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14	550.7143	377.3469	7710	61	1300	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-235	60	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14	550.7143	377.3469	7710	61	1300	56711	1443.287	4687.848	81850239	1	249000	-0.05844	0.8427	14	
URANIUM-235	60	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14	550.7143	377.3469	7710	61	1300	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
URANIUM-235	60	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14	550.7143	377.3469	7710	61	1300	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
URANIUM-235	60	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14	550.7143	377.3469	7710	61	1300	18561	2322.994	304366	43117092	0.02	41465000	-0.53025	0.4697	4	
URANIUM-235	60	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14	550.7143	377.3469	7710	61	1300	21569	3.624813	7.578481	82497	0.1	545.4	0.51953	0.0834	12	
URANIUM-235	60	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14	550.7143	377.3469	7710	61	1300	20725	1497.404	13499	31033701	6	319000	-0.41268	0.4899	5	
URANIUM-235	60	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14	550.7143	377.3469	7710	61	1300	25507	382.224	1096.769	9749388	1	28000	-0.33248	0.2455	14	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14	550.7143	377.3469	7710	61	1300	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14	550.7143	377.3469	7710	61	1300	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14	550.7143	377.3469	7710	61	1300	22424	2358.813	28780	52894030	0.1	2180000	-0.34591	0.2257	14	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	14	550.7143	377.3469	7710	61	1300	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14	550.7143	377.3469	7710	61	1300	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14	550.7143	377.3469	7710	61	1300	1774	1132.239	6378.538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14	550.7143	377.3469	7710	61	1300	21991	1007.092	17620	22146953	0.01	1130000	-0.32207	0.2614	14	
URANIUM-235	60	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14	550.7143	377.3469	7710	61	1300	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	12	
URANIUM-235	60	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14	550.7143	377.3469	7710	61	1300	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14	550.7143	377.3469	7710	61	1300	6399	50.13064	681.1727	320786	0.02	24600	-0.26535	0.3592	14	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	20	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	18	438.2222	394.7117	7888	39	1300	4914	32.0677	18.5323	157581	7	250	-0.13566	0.6037	17	
URANIUM-235	20	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	18	438.2222	394.7117	7888	39	1300	4995	1162.253	3158.094	5805454	7	82082	-0.19284	0.4433	18	
URANIUM-235	20	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	18	438.2222	394.7117	7888	39	1300	7865	55.57754	657.8106	437117	1	27000	-0.16394	0.5157	18	
URANIUM-235	20	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	18	438.2222	394.7117	7888	39	1300	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
URANIUM-235	20	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	18	438.2222	394.7117	7888	39	1300	26730	231.201	990.9965	6180003	0.03	37000	0.07773	0.7592	18	
URANIUM-235	20	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	18	438.2222	394.7117	7888	39	1300	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
URANIUM-235	20	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	18	438.2222	394.7117	7888	39	1300	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
URANIUM-235	20	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	18	438.2222	394.7117	7888	39	1300	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
URANIUM-235	20	URANIUM-238	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	18	438.2222	394.7117	7888	39	1300	141	2844.557	18195	401083	0.1	210000	0.37008	0.1306	18	
URANIUM-235	20	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	18	438.2222	394.7117	7888	39	1300	105993	257.8247	384.157	27327815	0.5	7106	-0.14313	0.7353	8	
URANIUM-235	50	ALKALINITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	15	517.8667	385.2329	7768	58	1300	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	15	517.8667	385.2329	7768	58	1300	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	15	517.8667	385.2329	7768	58	1300	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	15	517.8667	385.2329	7768	58	1300	9943	9.090013	72.56837	90382	1	3800	0.10313	0.7374	13	
URANIUM-235	50	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	15	517.8667	385.2329	7768	58	1300	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	15	517.8667	385.2329	7768	58	1300	6200	120.7816	269.9694	990245	1	10000	-0.18328	0.5132	15	
URANIUM-235	50	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	15	517.8667	385.2329	7768	58	1300	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	15	517.8667	385.2329	7768	58	1300	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	15	517.8667	385.2329	7768	58	1300	6332	1.869	12.88026	11835	0.1	406	-0.22783	0.4141	15	
URANIUM-235	50	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	15	517.8667	385.2329	7768	58	1300	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
URANIUM-235	50	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	15	517.8667	385.2329	7768	58	1300	9321	7.570965	108.8909	70569	0.01	5675	-0.02825	0.9204	15	
URANIUM-235	50	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	15	517.8667	385.2329	7768	58	1300	1131	4.484633	6.25633	5049.5	1	100	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	15	517.8667	385.2329	7768	58	1300	9790	9.877542	278.7559	96701	0.02	27300	-0.12806	0.6492	15	
URANIUM-235	50	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	15	517.8667	385.2329	7768	58	1300	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	15	517.8667	385.2329	7768	58	1300	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-235	50	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	15	517.8667	385.2329	7768	58	1300	56711	1443.287	4687.848	81850239	1	249000	0.05518	0.8451	15	
URANIUM-235	50	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	15	517.8667	385.2329	7768	58	1300	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
URANIUM-235	50	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	15	517.8667	385.2329	7768	58	1300	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
URANIUM-235	50	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	15	517.8667	385.2329	7768	58	1300	18561	2322.994	304366	43117092	0.02	41465000	-0.38984	0.5165	5	
URANIUM-235	50	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	15	517.8667	385.2329	7768	58	1300	21569	3.824813	7.578481	82497	0.1	545.4	0.14721	0.6313	13	
URANIUM-235	50	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	15	517.8667	385.2329	7768	58	1300	20725	1497.404	13499	31033701	6	319000	-0.41268	0.4699	5	
URANIUM-235	50	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	15	517.8667	385.2329	7768	58	1300	25507	382.224	1096.769	9749388	1	28000	-0.213	0.4459	15	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	15	517.8667	385.2329	7768	58	1300	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	15	517.8667	385.2329	7768	58	1300	2327	12508	62820	29106485	10	960000	#N/A	#N/A	0	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	15	517.8667	385.2329	7768	58	1300	22424	2358.813	28780	52894030	0.1	2180000	-0.28595	0.3015	15	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	15	517.8667	385.2329	7768	58	1300	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	15	517.8667	385.2329	7768	58	1300	7	9.28571	20.18362	65	1	55	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	15	517.8667	385.2329	7768	58	1300	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	15	517.8667	385.2329	7768	58	1300	21991	1007.092	17620	22146953	0.01	1130000	-0.21481	0.442	15	
URANIUM-235	50	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	15	517.8667	385.2329	7768	58	1300	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	13	
URANIUM-235	50	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	15	517.8667	385.2329	7768	58	1300	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	15	517.8667	385.2329	7768	58	1300	6399	50.13064	681.1727	320786	0.02	24600	-0.18797	0.5023	15	
URANIUM-235	50	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	15	517.8667	385.2329	7768	58	1300	818	21.65697	53.28237	17879	1	590	#N/A	#N/A	0	
URANIUM-235	50	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	15	517.8667	385.2329	7768	58	1300	5683	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	15	517.8667	385.2329	7768	58	1300	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	15	517.8667	385.2329	7768	58	1300	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	5	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	21	377.119	394.9074	7919.5	6.4	1300	26730	231.201	990.9965	6180003	0.03	37000	0.20681	0.3684	21	
URANIUM-235	5	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	21	377.119	394.9074	7919.5	6.4	1300	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
URANIUM-235	5	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	21	377.119	394.9074	7919.5	6.4	1300	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
URANIUM-235	5	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	21	377.119	394.9074	7919.5	6.4	1300	2359	23.38229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
URANIUM-235	5	URANIUM-238	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	21	377.119	394.9074	7919.5	6.4	1300	141	2844.557	18195	401083	0.1	210000	0.4042	0.0692	21	
URANIUM-235	5	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	21	377.119	394.9074	7919.5	6.4	1300	105993	257.8247	364.157	27327615	0.5	7106	-0.22834	0.5546	9	
URANIUM-235	20	ALKALINITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	18	438.2222	394.7117	7888	39	1300	2642	204.9232	148.6865	541407	3	4500	#N/A	#N/A	0	
URANIUM-235	20	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	18	438.2222	394.7117	7888	39	1300	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
URANIUM-235	20	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	18	438.2222	394.7117	7888	39	1300	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
URANIUM-235	20	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	18	438.2222	394.7117	7888	39	1300	9943	9.090013	72.56637	90382	1	3800	0.03999	0.8831	16	
URANIUM-235	20	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	18	438.2222	394.7117	7888	39	1300	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	18	438.2222	394.7117	7888	39	1300	8200	120.7616	269.9694	990245	1	10000	-0.02186	0.9314	18	
URANIUM-235	20	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	18	438.2222	394.7117	7888	39	1300	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	18	438.2222	394.7117	7888	39	1300	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-235	20	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	18	438.2222	394.7117	7888	39	1300	6332	1.869	12.88026	11835	0.1	406	-0.04376	0.8831	18	
URANIUM-235	20	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	18	438.2222	394.7117	7888	39	1300	627	3.52998	5.18839	2213.3	0.5	25	#N/A	#N/A	0	
URANIUM-235	20	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	18	438.2222	394.7117	7888	39	1300	9321	7.570965	108.8909	70569	0.01	5675	0.12156	0.6309	18	
URANIUM-235	20	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	18	438.2222	394.7117	7888	39	1300	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	18	438.2222	394.7117	7888	39	1300	9790	9.877542	276.7559	96701	0.02	27300	0.0432	0.8649	18	
URANIUM-235	20	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	18	438.2222	394.7117	7888	39	1300	952	13.00315	41.66239	12378	1	630	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	18	438.2222	394.7117	7888	39	1300	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-235	20	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	18	438.2222	394.7117	7888	39	1300	56711	1443.287	4687.648	81850239	1	249000	0.21297	0.3962	18	
URANIUM-235	20	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	18	438.2222	394.7117	7888	39	1300	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
URANIUM-235	20	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	18	438.2222	394.7117	7888	39	1300	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
URANIUM-235	20	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	18	438.2222	394.7117	7888	39	1300	18561	2322.994	304366	43117092	0.02	41465000	-0.46884	0.3463	6	
URANIUM-235	20	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	18	438.2222	394.7117	7888	39	1300	21569	3.824813	7.578481	82497	0.1	545.4	0.13613	0.6152	16	
URANIUM-235	20	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	18	438.2222	394.7117	7888	39	1300	20725	1497.404	13499	31033701	6	319000	-0.15793	0.7352	7	
URANIUM-235	20	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	18	438.2222	394.7117	7888	39	1300	25507	382.224	1096.769	9749388	1	28000	-0.05348	0.8331	18	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	18	438.2222	394.7117	7888	39	1300	2	620	878.8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	18	438.2222	394.7117	7888	39	1300	2327	12508	62820	29108485	10	960000	#N/A	#N/A	0	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	18	438.2222	394.7117	7888	39	1300	22424	2358.813	28780	52894030	0.1	2180000	-0.16879	0.5032	18	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	18	438.2222	394.7117	7888	39	1300	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	18	438.2222	394.7117	7888	39	1300	7	9.28571	20.16382	65	1	55	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	18	438.2222	394.7117	7888	39	1300	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	18	438.2222	394.7117	7888	39	1300	21991	1007.092	17620	22146953	0.01	1130000	-0.05188	0.838	18	
URANIUM-235	20	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	18	438.2222	394.7117	7888	39	1300	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	16	
URANIUM-235	20	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	18	438.2222	394.7117	7888	39	1300	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	18	438.2222	394.7117	7888	39	1300	6399	50.13064	681.1727	320786	0.02	24600	-0.04144	0.8703	18	
URANIUM-235	20	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	18	438.2222	394.7117	7888	39	1300	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
URANIUM-235	20	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	18	438.2222	394.7117	7888	39	1300	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	18	438.2222	394.7117	7888	39	1300	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	18	438.2222	394.7117	7888	39	1300	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
URANIUM-235	20	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	18	438.2222	394.7117	7888	39	1300	43861	7.122161	0.878663	312385	0.1	12.8	-0.19271	0.4436	18	
URANIUM-235	20	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	18	438.2222	394.7117	7888	39	1300	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	18	438.2222	394.7117	7888	39	1300	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	18	438.2222	394.7117	7888	39	1300	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	0	URANIUM-238	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	141	56 54043	200 9786	7972 2	0 1	1300	141	2844.557	18195	401083	0 1	210000	0 52857	0 0001	141	*
URANIUM-235	0	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	141	56 54043	200 9786	7972 2	0.1	1300	105993	257.6247	364 157	27327615	0 5	7106	0 03214	0 8176	54	
URANIUM-235	5	ALKALINITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	21	377.119	394.9074	7919.5	6 4	1300	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	21	377.119	394.9074	7919.5	6 4	1300	2940	7.838537	29 93498	23045	1	200	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	21	377.119	394 9074	7919.5	6 4	1300	462	28 07158	61 3558	13531	1	200	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	21	377.119	394 9074	7919.5	6 4	1300	9943	9 090013	72 56837	90382	1	3800	0 06386	0 7951	19	
URANIUM-235	5	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	21	377.119	394 9074	7919.5	6 4	1300	1294	17.47862	94 61877	22617	1	1400	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	21	377.119	394.9074	7919.5	6.4	1300	8200	120.7618	269.9694	990245	1	10000	0 06436	0 7817	21	
URANIUM-235	5	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	21	377 119	394 9074	7919 5	6 4	1300	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	21	377 119	394 9074	7919.5	6 4	1300	776	194.384	563 7236	150842	7	10000	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	21	377.1191	394 9074	7919 5	6 4	1300	6332	1 869	12 88026	11835	0.1	406	0 07563	0 7445	21	
URANIUM-235	5	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	21	377 1191	394.9074	7919 5	6 4	1300	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	21	377.119	394.9074	7919.5	6 4	1300	9321	7.570965	108 8909	70569	0 01	5675	0 22343	0 3303	21	
URANIUM-235	5	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	21	377 119	394.9074	7919.5	6 4	1300	1131	4.464633	6 25633	5049 5	1	100	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	21	377.119	394 9074	7919.5	6 4	1300	9790	9 877542	276 7559	96701	0 02	27300	0 17292	0 4535	21	
URANIUM-235	5	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	21	377.119	394 9074	7919 5	6 4	1300	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	21	377.119	394.9074	7919 5	6 4	1300	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	0	
URANIUM-235	5	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	21	377 119	394 9074	7919.5	6.4	1300	56711	1443.287	4687.848	81850239	1	249000	0 33393	0 139	21	
URANIUM-235	5	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	21	377.119	394 9074	7919 5	6 4	1300	565	0 650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
URANIUM-235	5	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	21	377 119	394 9074	7919 5	6 4	1300	1396	1.095165	12 00667	1528 65	0 01	260	#N/A	#N/A	0	
URANIUM-235	5	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	21	377.119	394 9074	7919 5	6 4	1300	18561	2322 994	304366	43117092	0 02	41465000	-0 35436	0 4355	7	
URANIUM-235	5	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	21	377 119	394.9074	7919 5	6 4	1300	21569	3.824813	7 578481	82497	0.1	545 4	0 04207	0 8726	17	
URANIUM-235	5	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	21	377.119	394 9074	7919 5	6 4	1300	20725	1497.404	13499	31033701	6	319000	0 02174	0 9525	10	
URANIUM-235	5	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	21	377 119	394 9074	7919 5	6 4	1300	25507	382 224	1096 769	9749388	1	28000	0.11621	0 6159	21	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	21	377 119	394 9074	7919 5	6 4	1300	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	21	377.119	394.9074	7919 5	6 4	1300	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	21	377.119	394 9074	7919 5	6 4	1300	22424	2358 813	28780	52894030	0 1	2180000	-0 10149	0 6816	21	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	21	377.119	394 9074	7919 5	6 4	1300	195	55634	131042	10848720	0 01	884000	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	21	377 1191	394 9074	7919 5	6 4	1300	7	9 28571	20 16382	65	1	55	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	21	377 1191	394 9074	7919 5	6.4	1300	1774	1132 239	6376 538	2008592	1	160000	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	21	377.1191	394 9074	7919 5	6 4	1300	21991	1007.092	17620	22146953	0 01	1130000	0 06011	0 7958	21	
URANIUM-235	5	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	21	377 119	394.9074	7919.5	6 4	1300	3232	0.123963	0 198296	400 65	0 1	5 5	#N/A	#N/A	18	
URANIUM-235	5	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	21	377 119	394.9074	7919.5	6 4	1300	1030	0 296816	0.435845	305 72	0 01	4 5	#N/A	#N/A	0	
URANIUM-235	5	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	21	377 119	394 9074	7919.5	6.4	1300	6399	50.13064	681.1727	320786	0 02	24600	0 07713	0 7397	21	
URANIUM-235	5	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	21	377.119	394.9074	7919 5	6.4	1300	818	21 65697	53 28237	17679	1	590	#N/A	#N/A	0	
URANIUM-235	5	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	21	377.119	394.9074	7919 5	6.4	1300	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	0	
URANIUM-235	5	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	21	377.119	394 9074	7919.5	6 4	1300	23214	0.037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
URANIUM-235	5	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	21	377.119	394.9074	7919 5	6.4	1300	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
URANIUM-235	5	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	21	377 119	394 9074	7919.5	6 4	1300	43861	7.122161	0 878863	312385	0 1	12 8	-0 2836	0 2128	21	
URANIUM-235	5	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	21	377.119	394 9074	7919 5	6.4	1300	99	1 289899	3 734492	127 7	0.1	31	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	21	377 119	394 9074	7919 5	6 4	1300	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	21	377.119	394 9074	7919 5	6.4	1300	230	0 280176	0 551313	64 4405	0 009	6 14	#N/A	#N/A	0	
URANIUM-235	5	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	21	377 119	394.9074	7919 5	6 4	1300	4914	32.0677	18 5323	157581	7	250	-0 0463	0 8463	20	
URANIUM-235	5	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	21	377 119	394 9074	7919 5	6 4	1300	4995	1162 253	3158 094	5805454	7	82082	-0 12376	0 593	21	
URANIUM-235	5	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	21	377.119	394.9074	7919 5	6 4	1300	7865	55 57754	657 8106	437117	1	27000	-0 08104	0 7269	21	
URANIUM-235	5	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	21	377.119	394 9074	7919 5	6 4	1300	861	2 578564	3 089181	2478	1	31	#N/A		0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	URANIUM-235	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	289	25 95848	22 98004	7502	2	102	141	56 54043	200 9786	7972 2	0 1	1300	-0 89587	0 0579	3	
THALLIUM	2	URANIUM-235	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	177	7 79096	9 057664	1379	2	50	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
THALLIUM	2	URANIUM-238	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	289	25 95848	22 98004	7502	2	102	141	2844 557	18195	401083	0 1	210000	0 88569	0 3074	3	
THALLIUM	2	URANIUM-238	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	177	7 79096	9 057664	1379	2	50	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	289	25 95848	22 98004	7502	2	102	105993	257 8247	364 157	27327615	0 5	7106	0 32443	0 0001	172	*
THALLIUM	2	WELL-DEPTH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	177	7 79096	9 057664	1379	2	50	105993	257 8247	364 157	27327615	0 5	7106	-0 14354	0 0729	157	
TURBIDITY	0	CONDUCTANCE	GROUND WATER	P00076	TURBIDITY-P00076-(NTU)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2359	23 36229	85 84469	55112	0 01	1000	56711	1443 287	4687 848	81850239	1	249000	0 02104	0 3124	2307	
URANIUM-235	0	ALKALINITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	141	56 54043	200 9786	7972 2	0 1	1300	2642	204 9232	148 8885	541407	3	4500	-0 66446	0 15	6	
URANIUM-235	0	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	141	56 54043	200 9786	7972 2	0 1	1300	2940	7.838537	29 93498	23045	1	200	0 33851	0 0141	52	*
URANIUM-235	0	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	141	56 54043	200 9786	7972 2	0 1	1300	482	28 07158	61.3558	13531	1	200	-0 22897	0 6625	6	
URANIUM-235	0	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	141	56 54043	200 9786	7972 2	0 1	1300	8200	120 7616	269 9694	990245	1	10000	-0 05166	0 5594	130	
URANIUM-235	0	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	141	56 54043	200 9786	7972 2	0 1	1300	2	100	0	200	100	100	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	141	56 54043	200 9786	7972 2	0 1	1300	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	6	
URANIUM-235	0	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	141	56 54043	200 9786	7972 2	0 1	1300	6332	1 869	12 88026	11835	0 1	406	0 46581	0 0001	130	*
URANIUM-235	0	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	141	56 54043	200 9786	7972 2	0 1	1300	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	6	
URANIUM-235	0	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	141	56 54043	200 9786	7972 2	0 1	1300	9321	7 570965	108 8909	70569	0 01	5675	0 50394	0 0001	130	*
URANIUM-235	0	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	141	56 54043	200 9786	7972 2	0 1	1300	1131	4 464633	6 25633	5049 5	1	100	-0 30353	0 0537	41	
URANIUM-235	0	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	141	56 54043	200 9786	7972 2	0 1	1300	9790	9 877542	276 7559	96701	0 02	27300	0 56588	0 0001	131	*
URANIUM-235	0	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	141	56 54043	200 9786	7972 2	0 1	1300	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	1	
URANIUM-235	0	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	141	56 54043	200 9786	7972 2	0 1	1300	1274	13 5	43.20096	17199	1	1100	-0 22603	0 626	7	
URANIUM-235	0	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	141	56 54043	200 9786	7972 2	0 1	1300	56711	1443 287	4687 848	81850239	1	249000	0 13542	0 123	131	
URANIUM-235	0	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	141	56 54043	200 9786	7972 2	0 1	1300	565	0 650733	3 513117	367 684	0 001	20	#N/A	#N/A	0	
URANIUM-235	0	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	141	56 54043	200 9786	7972 2	0 1	1300	1396	1 095165	12 00687	1528 85	0 01	280	#N/A	#N/A	0	
URANIUM-235	0	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	141	56 54043	200 9786	7972 2	0 1	1300	18561	2322 994	304366	43117092	0 02	41465000	-0 24515	0 3268	18	
URANIUM-235	0	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	141	56 54043	200 9786	7972 2	0 1	1300	21569	3.824813	7 578481	82497	0 1	545 4	-0 08384	0 4608	80	
URANIUM-235	0	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	141	56 54043	200 9786	7972 2	0 1	1300	20725	1497.404	13499	31033701	6	319000	0 10571	0 3132	93	
URANIUM-235	0	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	141	56 54043	200 9786	7972 2	0 1	1300	25507	382 224	1096.769	9749388	1	28000	0 59125	0 0001	136	*
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	141	56 54043	200 9786	7972 2	0 1	1300	2	620	878 8225	1240	140	1100	#N/A	#N/A	0	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	141	56 54043	200 9786	7972 2	0 1	1300	2327	12508	62820	29106465	10	960000	-0 49752	0 3153	6	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	141	56 54043	200 9786	7972 2	0 1	1300	22424	2358 813	28780	52894030	0 1	2180000	0 13979	0 1033	137	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	141	56 54043	200 9786	7972 2	0 1	1300	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	141	56 54043	200 9786	7972 2	0 1	1300	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	141	56 54043	200 9786	7972 2	0 1	1300	1774	1132 239	6376 538	2008592	1	160000	0 10331	0 5488	36	
URANIUM-235	0	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	141	56 54043	200 9786	7972 2	0 1	1300	21991	1007.092	17620	22146953	0 01	1130000	0 46945	0 0001	137	*
URANIUM-235	0	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	141	56 54043	200 9786	7972 2	0 1	1300	3232	0 123963	0 198296	400 65	0 1	5 5	-0 03703	0 7319	88	
URANIUM-235	0	MERCURY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	141	56 54043	200 9786	7972 2	0 1	1300	1030	0 296816	0 435845	305 72	0 01	4 5	-0 16667	0 721	7	
URANIUM-235	0	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	141	56 54043	200 9786	7972 2	0 1	1300	6399	50 13064	681.1727	320766	0 02	24600	0 46965	0 0001	130	*
URANIUM-235	0	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	141	56 54043	200 9786	7972 2	0 1	1300	818	21.65697	53 28237	17670	1	590	-0 2	0 704	6	
URANIUM-235	0	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	141	56 54043	200 9786	7972 2	0 1	1300	23214	0.037058	0 289409	860 264897	0 001	25	0 31218	0 0029	89	*
URANIUM-235	0	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	141	56 54043	200 9786	7972 2	0 1	1300	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
URANIUM-235	0	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	141	56 54043	200 9786	7972 2	0 1	1300	43881	7 122161	0 878663	312385	0 1	12 8	-0 54547	0 0001	129	*
URANIUM-235	0	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	141	56 54043	200 9786	7972 2	0 1	1300	7865	55 57754	657 8106	437117	1	27000	-0 11491	0 2076	122	
URANIUM-235	0	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	141	56 54043	200 9786	7972 2	0 1	1300	961	2 578564	3 089181	2478	1	31	1	0 0001	6	*
URANIUM-235	0	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	141	56 54043	200 9786	7972 2	0 1	1300	848	9 369458	17.94903	7945 3	0 5	102	0 25156	0 5478	8	
URANIUM-235	0	THALLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	141	56 54043	200 9786	7972 2	0 1	1300	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	0	
URANIUM-235	0	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	141	56 54043	200 9786	7972 2	0 1	1300	2359	23.36229	85 84469	55112	0 01	1000	#N/A	#N/A	5	

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	289	25 95848	22 98004	7502	2	102	22424	2358 813	28780	52894030	0 1	2180000	0 13546	0 05	210	*
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	289	25 95848	22 98004	7502	2	102	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	177	7 79096	9 057664	1379	2	50	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	177	7 79096	9 057664	1379	2	50	2327	12508	62820	29106465	10	960000	0 0966	0 2061	173	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	177	7.79096	9 057664	1379	2	50	22424	2358 813	28780	52894030	0 1	2180000	0 02257	0 855	68	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	177	7 79096	9 057664	1379	2	50	195	55634	131042	10848720	0 01	864000	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	289	25 95848	22 98004	7502	2	102	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	289	25 95848	22 98004	7502	2	102	1774	1132.239	6376 538	2008592	1	160000	-0 07428	0 4492	106	
THALLIUM	2	MANGANESE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	289	25 95848	22 98004	7502	2	102	21991	1007 092	17620	22146953	0 01	1130000	-0 28788	0 0001	267	*
THALLIUM	2	MANGANESE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	177	7 79096	9 05766	1379	2	50	7	9 28571	20 16362	65	1	55	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	177	7.79096	9 05766	1379	2	50	1774	1132 239	6376 538	2008592	1	160000	0 07717	0 3129	173	
THALLIUM	2	MANGANESE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	177	7.79096	9 05766	1379	2	50	21991	1007 092	17620	22146953	0 01	1130000	-0 19076	0 0369	120	*
THALLIUM	2	MERCURY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	289	25 95848	22 98004	7502	2	102	3232	0 123963	0 198296	400 65	0 1	5 5	-0 44117	0 0001	192	*
THALLIUM	2	MERCURY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	289	25.95848	22 98004	7502	2	102	1030	0 296816	0 435845	305 72	0 01	4.5	#N/A	#N/A	52	
THALLIUM	2	MERCURY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	177	7 79096	9 057664	1379	2	50	3232	0.123963	0 198296	400 65	0 1	5 5	0 28404	0 0208	66	*
THALLIUM	2	MERCURY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	177	7.79096	9 057664	1379	2	50	1030	0 296816	0 435845	305 72	0 01	4 5	0 02591	0.7816	117	
THALLIUM	2	NICKEL	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	289	25 95848	22 98004	7502	2	102	6399	50 13064	681 1727	320786	0 02	24600	-0 01401	0 8532	177	
THALLIUM	2	NICKEL	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	289	25 95848	22 98004	7502	2	102	818	21.85697	53 28237	17879	1	590	-0 15366	0 1158	106	
THALLIUM	2	NICKEL	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	177	7.79096	9 057664	1379	2	50	6399	50.13064	681.1727	320786	0.02	24600	0.81354	0.0001	120	*
THALLIUM	2	NICKEL	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	177	7 79096	9 057664	1379	2	50	818	21.85697	53 28237	17879	1	590	0 19598	0 0095	174	*
THALLIUM	2	NITRATE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	289	25 95848	22 98004	7502	2	102	5663	8 003763	38 93465	45325	0 001	1600	#N/A	#N/A	2	
THALLIUM	2	NITRATE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	177	7 79096	9 057664	1379	2	50	5663	8.003763	38 93465	45325	0 001	1600	0 10443	0 563	33	
THALLIUM	2	NITRITE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	289	25 95848	22 98004	7502	2	102	23214	0.037058	0 289409	860 264897	0.001	25	-0 35722	0 555	5	
THALLIUM	2	NITRITE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	289	25 95848	22.98004	7502	2	102	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
THALLIUM	2	NITRITE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	177	7.79096	9 057664	1379	2	50	23214	0.037058	0 289409	860 264897	0 001	25	#N/A	#N/A	27	
THALLIUM	2	NITRITE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	177	7.79096	9 057664	1379	2	50	835	0 031742	0 183455	26.504833	0 001	5	#N/A	#N/A	70	
THALLIUM	2	PH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	289	25 95848	22 98004	7502	2	102	43861	7.122161	0 878663	312385	0 1	12 8	-0 68165	0 0001	284	*
THALLIUM	2	PH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	177	7.79096	9 057664	1379	2	50	43861	7 122161	0.878663	312385	0 1	12 8	0 22728	0 0027	172	*
THALLIUM	2	RADIUM-226	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	289	25 95848	22 98004	7502	2	102	99	1.289899	3 734492	127.7	0.1	31	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	289	25 95848	22 98004	7502	2	102	154	1.227987	1.930945	189 11	0 02	14	0 93295	0 2344	3	
THALLIUM	2	RADIUM-226	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	289	25 95848	22 98004	7502	2	102	230	0 280176	0 551313	64 4405	0 009	6.14	0 93273	0 2348	3	
THALLIUM	2	RADIUM-226	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	177	7 79096	9 057664	1379	2	50	99	1 289899	3 734492	127.7	0 1	31	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	177	7.79096	9 057664	1379	2	50	154	1 227987	1 930945	189 11	0 02	14	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	177	7.79096	9.057664	1379	2	50	230	0 280176	0 551313	64.4405	0 009	6 14	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P76002	RADON 222-PE-P76002-(PCI/L)	289	25 95848	22 98004	7502	2	102	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	289	25 95848	22 98004	7502	2	102	4995	1162.253	3158 094	5805454	7	82082	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P76002	RADON 222-PE-P76002-(PCI/L)	177	7 79096	9 057664	1379	2	50	4914	32 0677	18 5323	157581	7	250	0 90113	0 2855	3	
THALLIUM	2	RADON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	177	7.79096	9 057664	1379	2	50	4995	1162 253	3158 094	5805454	7	82082	0 95047	0 2012	3	
THALLIUM	2	SELENIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	289	25 95848	22 98004	7502	2	102	7865	55 57754	657 8106	437117	1	27000	-0 45529	0 0001	289	*
THALLIUM	2	SELENIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	289	25 95848	22.98004	7502	2	102	961	2.578564	3 089181	2478	1	31	-0 36012	0 0001	106	*
THALLIUM	2	SELENIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	177	7.79096	9 057664	1379	2	50	7865	55 57754	657 8106	437117	1	27000	-0 12753	0 1823	111	
THALLIUM	2	SELENIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	177	7.79096	9.057664	1379	2	50	961	2 578564	3 089181	2478	1	31	0 78502	0 0001	174	*
THALLIUM	2	SULFATE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	289	25 95848	22.98004	7502	2	102	26730	231.201	990 9965	6180003	0 03	37000	-0 33571	0 0001	236	*
THALLIUM	2	SULFATE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	177	7.79096	9.057664	1379	2	50	26730	231.201	990 9965	6180003	0 03	37000	-0 00531	0 9567	107	
THALLIUM	2	TURBIDITY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	289	25 95848	22 98004	7502	2	102	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
THALLIUM	2	TURBIDITY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	[illegible]	[illegible]79096	9 057664	1379	2	50	2359	23 36229	85 84469	55112	0 01	1000	#N/A	[illegible]	22	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	ALKALINITY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	289	25 95848	22 98004	7502	2	102	2642	204 9232	148 8865	541407	3	4500	0 02498	0 8722	44	
THALLIUM	2	ALKALINITY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	177	7 79096	9 057664	1379	2	50	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	2	
THALLIUM	2	ANTIMONY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	289	25 95848	22 98004	7502	2	102	2940	7 838537	29 93498	23045	1	200	-0 38832	0 0001	235	*
THALLIUM	2	ANTIMONY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	289	25 95848	22 98004	7502	2	102	482	28 07158	61 3558	13531	1	200	-0 38373	0 0001	106	*
THALLIUM	2	ANTIMONY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	177	7 79096	9 057664	1379	2	50	2940	7 838537	29 93498	23045	1	200	0 78218	0 0001	79	*
THALLIUM	2	ANTIMONY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	177	7 79096	9 057664	1379	2	50	482	28 07158	61 3558	13531	1	200	0 80006	0 0001	173	*
THALLIUM	2	ARSENIC	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	289	25 95848	22 98004	7502	2	102	9943	9 090013	72 56837	90382	1	3800	-0 03249	0 5823	289	
THALLIUM	2	ARSENIC	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	289	25 95848	22 98004	7502	2	102	1294	17.47862	94 81877	22617	1	1400	-0 17119	0 0793	106	
THALLIUM	2	ARSENIC	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	177	7 79096	9 057664	1379	2	50	9943	9 090013	72 56837	90382	1	3800	-0 43228	0 0001	111	*
THALLIUM	2	ARSENIC	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	177	7 79096	9 057664	1379	2	50	1294	17.47862	94 81877	22617	1	1400	0 14483	0 0566	174	
THALLIUM	2	BARIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	289	25 95848	22 98004	7502	2	102	8200	120 7616	269 9694	990245	1	10000	-0 02356	0 7556	177	
THALLIUM	2	BARIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	289	25 95848	22 98004	7502	2	102	2	100	0	200	100	100	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	289	25 95848	22 98004	7502	2	102	776	194 384	563 7236	150842	7	10000	-0 04912	0 6714	77	
THALLIUM	2	BARIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	177	7 79096	9 057664	1379	2	50	8200	120 7616	269 9694	990245	1	10000	-0 0845	0 3589	120	
THALLIUM	2	BARIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	177	7 79096	9 057664	1379	2	50	2	100	0	200	100	100	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	177	7 79096	9 057664	1379	2	50	776	194.384	563.7236	150842	7	10000	-0 00822	0 9205	150	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	289	25 95848	22 98004	7502	2	102	6332	1 869	12 88026	11835	0 1	406	-0 07048	0 2323	289	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	289	25 95848	22 98004	7502	2	102	627	3.52998	5.18639	2213 3	0 5	25	-0.34603	0 0003	106	*
THALLIUM	2	BERYLLIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	177	7 79096	9 05766	1379	2	50	6332	1.869	12 88026	11835	0 1	406	0 15257	0 0962	120	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	177	7 79096	9 05766	1379	2	50	627	3.52998	5.18639	2213 3	0 5	25	-0 0109	0 8865	174	
THALLIUM	2	CADMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	289	25 95848	22 98004	7502	2	102	9321	7 570965	108 8909	70569	0 01	5675	-0 03541	0 5488	289	
THALLIUM	2	CADMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	289	25 95848	22 98004	7502	2	102	1131	4 464633	6 25633	5049 5	1	100	-0.05801	0 5547	106	
THALLIUM	2	CADMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	177	7 79096	9 057664	1379	2	50	9321	7.570965	108 8909	70569	0 01	5675	0 60186	0 0001	120	*
THALLIUM	2	CADMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	177	7 79096	9 057664	1379	2	50	1131	4.464633	6 25633	5049 5	1	100	0 66145	0 0001	151	*
THALLIUM	2	CHROMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	289	25 95848	22 98004	7502	2	102	9790	9.877542	276 7559	96701	0 02	27300	-0 13809	0 0188	289	*
THALLIUM	2	CHROMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	289	25 95848	22 98004	7502	2	102	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	289	25 95848	22 98004	7502	2	102	1274	13 5	43 20096	17199	1	1100	-0 15759	0 1067	106	
THALLIUM	2	CHROMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	177	7 79096	9 057664	1379	2	50	9790	9 877542	276 7559	96701	0 02	27300	0 80635	0 0001	120	*
THALLIUM	2	CHROMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	177	7 79096	9 057664	1379	2	50	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	177	7 79096	9 057664	1379	2	50	1274	13 5	43 20096	17199	1	1100	0 22512	0 0028	174	*
THALLIUM	2	CONDUCTANCE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	289	25 95848	22 98004	7502	2	102	56711	1443 287	4687 848	81850239	1	249000	-0 14967	0 0159	259	*
THALLIUM	2	CONDUCTANCE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	177	7 79096	9 057664	1379	2	50	56711	1443.287	4687 848	81850239	1	249000	0 20214	0 0073	175	*
THALLIUM	2	CYANIDE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	289	25 95848	22 98004	7502	2	102	565	0 650733	3 513117	367 664	0 001	20	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	289	25 95848	22 98004	7502	2	102	1396	1.095165	12 00667	1528 85	0 01	280	-0 0855	0 4537	79	
THALLIUM	2	CYANIDE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	177	7 79096	9 057664	1379	2	50	565	0.650733	3 513117	367 664	0 001	20	1	0 0001	84	*
THALLIUM	2	CYANIDE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	177	7 79096	9 057664	1379	2	50	1396	1.095165	12.00667	1528 85	0 01	280	0 12725	0 3203	63	
THALLIUM	2	DEPTH-BELOW-LAN	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	289	25 95848	22 98004	7502	2	102	18561	2322 994	304366	43117092	0 02	41465000	-0 91074	0 271	3	
THALLIUM	2	DEPTH-BELOW-LAN	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	177	7 79096	9 057664	1379	2	50	18561	2322 994	304366	43117092	0 02	41465000	-0 10977	0 3387	78	
THALLIUM	2	DISSOLVED-OXYGE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	289	25 95848	22 98004	7502	2	102	21569	3 824813	7 578481	62497	0.1	545 4	-0 03942	0 5654	215	
THALLIUM	2	DISSOLVED-OXYGE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	177	7 79096	9 057664	1379	2	50	21569	3 824813	7 578481	62497	0 1	545 4	0 5722	0 0001	111	*
THALLIUM	2	DISSOLVED-SOLID	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	289	25 95848	22 98004	7502	2	102	20725	1497.404	13499	31033701	6	319000	-0 12491	0 1317	147	
THALLIUM	2	DISSOLVED-SOLID	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	177	7 79096	9 057664	1379	2	50	20725	1497.404	13499	31033701	6	319000	-0 04321	0 7166	73	
THALLIUM	2	HARDNESS	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	289	25 95848	22 98004	7502	2	102	25507	382.224	1096.769	9749388	1	28000	-0 38753	0 0001	210	*
THALLIUM	2	HARDNESS	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	177	7.79096	9 057664	1379	2	50	25507	382.224	1096.769	9749388	1	28000	0.07511	0 4441	106	
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	289	25 95848	22.98004	7502	2	102	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	289	25 95848	22.98004	7502	2	102	2327	12508	62820	29106465	10	960000	-0 07832	0 4248	106	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2072	2205.365	2889.274	4569517	500	37000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2072	2205.365	2889.274	4569517	500	37000	2327	12508	62820	29106465	10	960000	0.41853	0.0001	133	*
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2072	2205.365	2889.274	4569517	500	37000	22424	2358.813	28780	52894030	0.1	2180000	0.22441	0.0001	1453	*
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	2072	2205.365	2889.274	4569517	500	37000	195	55634	131042	10848720	0.01	884000	0.82213	0.0001	70	*
SULFATE	500	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2072	2205.365	2889.274	4569517	500	37000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
SULFATE	500	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2072	2205.365	2889.274	4569517	500	37000	1774	1132.239	6376.538	2008592	1	160000	0.72586	0.0001	99	*
SULFATE	500	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2072	2205.365	2889.274	4569517	500	37000	21991	1007.092	17620	22146953	0.01	1130000	0.29836	0.0001	1422	*
SULFATE	500	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2072	2205.365	2889.274	4569517	500	37000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.01181	0.8718	189	
SULFATE	500	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2072	2205.365	2889.274	4569517	500	37000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.10148	0.5332	40	
SULFATE	500	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2072	2205.365	2889.274	4569517	500	37000	6399	50.13064	681.1727	320786	0.02	24600	0.1942	0.0001	648	*
SULFATE	500	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2072	2205.365	2889.274	4569517	500	37000	818	21.85697	53.28237	17879	1	590	-0.13465	0.693	11	
SULFATE	500	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2072	2205.365	2889.274	4569517	500	37000	5663	6.003763	38.93465	45325	0.001	1600	0.18691	0.0007	322	*
SULFATE	500	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2072	2205.365	2889.274	4569517	500	37000	23214	0.037058	0.289409	860.264897	0.001	25	0.38431	0.0001	931	*
SULFATE	500	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2072	2205.365	2889.274	4569517	500	37000	835	0.031742	0.183455	26.504833	0.001	5	-0.28183	0.1064	34	
SULFATE	500	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2072	2205.365	2889.274	4569517	500	37000	43861	7.122161	0.878663	312385	0.1	12.8	-0.16371	0.0001	1671	*
SULFATE	500	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
SULFATE	500	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	154	1.227987	1.930945	189.11	0.02	14	0.9511	0.0489	4	*
SULFATE	500	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	230	0.280176	0.551313	64.4405	0.009	6.14	0.95088	0.0491	4	*
SULFATE	500	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	4914	32.0677	18.5323	157581	7	250	0.43051	0.0001	170	*
SULFATE	500	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	4995	1162.253	3158.094	5805454	7	82082	0.39746	0.0001	171	*
SULFATE	500	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2072	2205.365	2889.274	4569517	500	37000	7865	55.57754	657.8106	437117	1	27000	0.07561	0.055	645	
SULFATE	500	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2072	2205.365	2889.274	4569517	500	37000	961	2.578564	3.089181	2478	1	31	0.2281	0.1412	43	
SULFATE	500	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2072	2205.365	2889.274	4569517	500	37000	848	9.369458	17.94903	7945.3	0.5	102	-0.20528	0.2297	36	
SULFATE	500	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2072	2205.365	2889.274	4569517	500	37000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	4	
SULFATE	500	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	2072	2205.365	2889.274	4569517	500	37000	2359	23.36229	85.84469	55112	0.01	1000	0.24835	0.0254	81	*
SULFATE	500	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	141	56.54043	200.9786	7972.2	0.1	1300	0.51409	0.0001	53	*
SULFATE	500	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2072	2205.365	2889.274	4569517	500	37000	141	2844.557	18195	401083	0.1	210000	0.1451	0.2999	53	
SULFATE	500	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	2072	2205.365	2889.274	4569517	500	37000	105993	257.8247	364.157	27327615	0.5	7106	-0.17028	0.0001	1687	*
THALLIUM	0	ALKALINITY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	848	9.369458	17.94903	7945.3	0.5	102	2642	204.9232	148.8865	541407	3	4500	0.63701	0.0001	59	*
THALLIUM	0	ALKALINITY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	350	4.434286	7.27558	1552	1	50	2642	204.9232	148.8865	541407	3	4500	-0.28366	0.6437	5	
THALLIUM	0	CONDUCTANCE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	848	9.369458	17.94903	7945.3	0.5	102	56711	1443.287	4687.648	81850239	1	249000	-0.00885	0.8061	771	
THALLIUM	0	CONDUCTANCE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	350	4.434286	7.27558	1552	1	50	56711	1443.287	4687.648	81850239	1	249000	0.1161	0.0306	347	*
THALLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	848	9.369458	17.94903	7945.3	0.5	102	18561	2322.994	304366	43117092	0.02	41465000	-0.21249	0.0048	175	*
THALLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	350	4.434286	7.27558	1552	1	50	18561	2322.994	304366	43117092	0.02	41465000	-0.19093	0.0185	152	*
THALLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	848	9.369458	17.94903	7945.3	0.5	102	21569	3.824813	7.578481	82497	0.1	545.4	-0.2816	0.0001	609	*
THALLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	350	4.434286	7.27558	1552	1	50	21569	3.824813	7.578481	82497	0.1	545.4	0.43154	0.0001	187	*
THALLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	848	9.369458	17.94903	7945.3	0.5	102	20725	1497.404	13499	31033701	6	319000	-0.00076	0.9876	416	
THALLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	350	4.434286	7.27558	1552	1	50	20725	1497.404	13499	31033701	6	319000	-0.00831	0.9061	204	
THALLIUM	0	HARDNESS	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	848	9.369458	17.94903	7945.3	0.5	102	25507	382.224	1096.789	9749388	1	28000	-0.02115	0.6144	570	
THALLIUM	0	HARDNESS	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	350	4.434286	7.27558	1552	1	50	25507	382.224	1096.789	9749388	1	28000	-0.07605	0.2243	257	
THALLIUM	0	PH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	848	9.369458	17.94903	7945.3	0.5	102	43861	7.122161	0.878663	312385	0.1	12.8	-0.3931	0.0001	811	*
THALLIUM	0	PH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	350	4.434286	7.27558	1552	1	50	43861	7.122161	0.878663	312385	0.1	12.8	0.1064	0.0546	327	
THALLIUM	0	TURBIDITY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	848	9.369458	17.94903	7945.3	0.5	102	2359	23.36229	85.84469	55112	0.01	1000	0.03067	0.6958	165	
THALLIUM	0	TURBIDITY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	350	4.434286	7.27558	1552	1	50	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	22	
THALLIUM	0	WELL-DEPTH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	848	9.369458	17.94903	7945.3	0.5	102	105993	257.8247	364.157	27327615	0.5	7106	0.21661	0.0001	619	*
THALLIUM	0	WELL-DEPTH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	[illegible]	[illegible]34286	7.27558	1552	1	50	105993	257.8247	364.157	27327615	0.5	7106	-0.14358	[illegible]	274	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	250	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3633	1404.597	2369.289	5102902	250	37000	7	9.28571	20.16362	65	1	55	-0.59761	0.2872	5	
SULFATE	250	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3633	1404.597	2369.289	5102902	250	37000	1774	1132.239	6376.538	2008592	1	160000	0.68579	0.0001	139	*
SULFATE	250	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3633	1404.597	2369.289	5102902	250	37000	21991	1007.092	17620	22146953	0.01	1130000	0.31834	0.0001	2668	*
SULFATE	250	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3633	1404.597	2369.289	5102902	250	37000	3232	0.123963	0.198296	400.65	0.1	5.5	0.00952	0.8637	328	
SULFATE	250	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3633	1404.597	2369.289	5102902	250	37000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.0605	0.6241	68	
SULFATE	250	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3633	1404.597	2369.289	5102902	250	37000	6399	50.13064	681.1727	320788	0.02	24600	0.22139	0.0001	973	*
SULFATE	250	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3633	1404.597	2369.289	5102902	250	37000	818	21.85697	53.28237	17879	1	590	0.05317	0.7318	44	
SULFATE	250	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	3633	1404.597	2369.289	5102902	250	37000	5663	8.003763	38.93465	45325	0.001	1600	0.21582	0.0001	583	*
SULFATE	250	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3633	1404.597	2369.289	5102902	250	37000	23214	0.037058	0.289409	860.264897	0.001	25	0.39429	0.0001	1835	*
SULFATE	250	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3633	1404.597	2369.289	5102902	250	37000	835	0.031742	0.183455	26.504833	0.001	5	-0.21248	0.1266	53	
SULFATE	250	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3633	1404.597	2369.289	5102902	250	37000	43861	7.122181	0.878683	312385	0.1	12.8	-0.18829	0.0001	3095	*
SULFATE	250	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	1	
SULFATE	250	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	154	1.227987	1.930945	189.11	0.02	14	0.92555	0.0001	19	*
SULFATE	250	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	230	0.280176	0.551313	64.4405	0.009	6.14	0.94114	0.0016	7	*
SULFATE	250	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	4914	32.0677	18.5323	157581	7	250	0.44087	0.0001	299	*
SULFATE	250	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	4995	1162.253	3158.094	5805454	7	82082	0.40886	0.0001	301	*
SULFATE	250	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3633	1404.597	2369.289	5102902	250	37000	7865	55.57754	657.8106	437117	1	27000	0.09437	0.0027	1009	*
SULFATE	250	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3633	1404.597	2369.289	5102902	250	37000	961	2.578564	3.089181	2478	1	31	0.23825	0.0382	76	*
SULFATE	250	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3633	1404.597	2369.289	5102902	250	37000	848	9.369458	17.94903	7945.3	0.5	102	-0.16207	0.1867	68	
SULFATE	250	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3633	1404.597	2369.289	5102902	250	37000	350	4.434286	7.27558	1552	1	50	-0.32195	0.1165	25	
SULFATE	250	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	3633	1404.597	2369.289	5102902	250	37000	2359	23.36229	85.84469	55112	0.01	1000	0.05629	0.5028	144	
SULFATE	250	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	141	56.54043	200.9786	7972.2	0.1	1300	0.53417	0.0001	61	*
SULFATE	250	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	3633	1404.597	2369.289	5102902	250	37000	141	2844.557	18195	401083	0.1	210000	0.18436	0.2056	61	
SULFATE	250	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	3633	1404.597	2369.289	5102902	250	37000	105993	257.8247	364.157	27327615	0.5	7106	-0.09185	0.0001	3032	*
SULFATE	500	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2072	2205.365	2889.274	4569517	500	37000	2642	204.9232	148.8865	541407	3	4500	0.26374	0.0001	325	*
SULFATE	500	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2072	2205.365	2889.274	4569517	500	37000	2940	7.638537	29.93498	23045	1	200	0.42078	0.0001	232	*
SULFATE	500	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2072	2205.365	2889.274	4569517	500	37000	482	28.07158	61.3558	13531	1	200	0.11214	0.7427	11	
SULFATE	500	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2072	2205.365	2889.274	4569517	500	37000	9943	9.090013	72.56837	90382	1	3800	-0.03858	0.3305	638	
SULFATE	500	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2072	2205.365	2889.274	4569517	500	37000	1294	17.47862	94.81877	22617	1	1400	-0.00316	0.9838	44	
SULFATE	500	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2072	2205.365	2889.274	4569517	500	37000	8200	120.7616	269.9694	990245	1	10000	0.11913	0.0008	785	*
SULFATE	500	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2072	2205.365	2889.274	4569517	500	37000	2	100	0	200	100	100	#N/A	#N/A	0	
SULFATE	500	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2072	2205.365	2889.274	4569517	500	37000	776	194.384	563.7236	150842	7	10000	-0.17596	0.2975	37	
SULFATE	500	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2072	2205.365	2889.274	4569517	500	37000	6332	1.869	12.88026	11835	0.1	406	0.3005	0.0001	474	*
SULFATE	500	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2072	2205.365	2889.274	4569517	500	37000	627	3.52998	5.18639	2213.3	0.5	25	0.87682	0.0096	7	*
SULFATE	500	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2072	2205.365	2889.274	4569517	500	37000	9321	7.570965	108.6909	70569	0.01	5675	0.09914	0.0046	809	*
SULFATE	500	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2072	2205.365	2889.274	4569517	500	37000	1131	4.484633	6.25633	5049.5	1	100	-0.07946	0.5997	46	
SULFATE	500	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2072	2205.365	2889.274	4569517	500	37000	9790	9.877542	276.7559	96701	0.02	27300	0.16201	0.0001	750	*
SULFATE	500	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2072	2205.365	2889.274	4569517	500	37000	952	13.00315	41.66239	12379	1	630	-0.04322	0.8692	17	
SULFATE	500	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2072	2205.365	2889.274	4569517	500	37000	1274	13.5	43.20096	17199	1	1100	0.09798	0.522	45	
SULFATE	500	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2072	2205.365	2889.274	4569517	500	37000	56711	1443.287	4687.848	81850239	1	249000	0.34909	0.0001	1796	*
SULFATE	500	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2072	2205.365	2889.274	4569517	500	37000	565	0.650733	3.513117	367.664	0.001	20	-0.35873	0.1724	16	
SULFATE	500	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2072	2205.365	2889.274	4569517	500	37000	1396	1.095165	12.00667	1528.85	0.01	280	0.72828	0.0014	16	*
SULFATE	500	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2072	2205.365	2889.274	4569517	500	37000	18561	2322.994	304366	43117092	0.02	41485000	-0.10384	0.0119	588	*
SULFATE	500	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2072	2205.365	2889.274	4569517	500	37000	21569	3.824813	7.578481	82497	0.1	545.4	-0.01467	0.7037	674	
SULFATE	500	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2072	2205.365	2889.274	4569517	500	37000	20725	1497.404	13499	31033701	6	319000	0.27433	0.0001	1498	*
SULFATE	500	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2072	2205.365	2889.274	4569517	500	37000	25507	382.224	1096.769	9749388	1	28000	0.51862	0.0001	1863	*

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	150	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5712	961.0061	1978.444	5489267	150	37000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.02389	0.7965	119	
SULFATE	150	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5712	961.0061	1978.444	5489267	150	37000	6399	50.13064	681.1727	320786	0.02	24600	0.23512	0.0001	1339	*
SULFATE	150	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5712	961.0061	1978.444	5489267	150	37000	818	21.85697	53.28237	17879	1	590	0.14475	0.1179	118	
SULFATE	150	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5712	961.0061	1978.444	5489267	150	37000	5663	8.003763	38.93485	45325	0.001	1600	0.24277	0.0001	874	*
SULFATE	150	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5712	961.0061	1978.444	5489267	150	37000	23214	0.037058	0.289409	860.264897	0.001	25	0.37983	0.0001	2876	*
SULFATE	150	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5712	961.0061	1978.444	5489267	150	37000	835	0.031742	0.183455	26.504833	0.001	5	-0.14412	0.1568	98	
SULFATE	150	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5712	961.0061	1978.444	5489267	150	37000	43861	7.122181	0.878663	312385	0.1	12.8	-0.20064	0.0001	5047	*
SULFATE	150	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	99	1.289899	3.734492	127.7	0.1	31	-0.33733	0.5788	5	
SULFATE	150	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	154	1.227987	1.930945	189.11	0.02	14	0.92528	0.0001	20	*
SULFATE	150	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	230	0.280176	0.551313	64.4405	0.009	6.14	0.54156	0.069	12	
SULFATE	150	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	4914	32.0677	16.5323	157581	7	250	0.43818	0.0001	500	*
SULFATE	150	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	4995	1162.253	3158.094	5805454	7	82082	0.41859	0.0001	503	*
SULFATE	150	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5712	961.0061	1978.444	5489267	150	37000	7665	55.57754	657.8106	437117	1	27000	0.1022	0.0002	1338	*
SULFATE	150	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5712	961.0061	1978.444	5489267	150	37000	961	2.578564	3.089181	2478	1	31	0.26615	0.0014	142	*
SULFATE	150	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5712	961.0061	1978.444	5489267	150	37000	848	9.369458	17.94903	7945.3	0.5	102	-0.10625	0.2563	116	
SULFATE	150	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5712	961.0061	1978.444	5489267	150	37000	350	4.434286	7.27558	1552	1	50	-0.13715	0.2961	60	
SULFATE	150	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	5712	961.0061	1978.444	5489267	150	37000	2359	23.36229	85.84469	55112	0.01	1000	-0.01114	0.871	215	
SULFATE	150	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	141	56.54043	200.9786	7972.2	0.1	1300	0.54406	0.0001	66	*
SULFATE	150	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5712	961.0061	1978.444	5489267	150	37000	141	2844.557	18195	401083	0.1	210000	0.17402	0.1623	66	
SULFATE	150	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	5712	961.0061	1978.444	5489267	150	37000	105993	257.8247	364.157	27327615	0.5	7106	-0.08224	0.0001	4797	*
SULFATE	250	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3633	1404.597	2369.289	5102902	250	37000	2642	204.9232	148.8865	541407	3	4500	0.27989	0.0001	525	*
SULFATE	250	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3633	1404.597	2369.289	5102902	250	37000	2940	7.838537	29.93498	23045	1	200	0.49613	0.0001	392	*
SULFATE	250	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3633	1404.597	2369.289	5102902	250	37000	482	28.07158	61.3558	13531	1	200	-0.15113	0.3789	36	
SULFATE	250	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	3633	1404.597	2369.289	5102902	250	37000	9943	9.090013	72.56837	90382	1	3800	-0.01322	0.6641	1082	
SULFATE	250	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3633	1404.597	2369.289	5102902	250	37000	1294	17.47862	94.81877	22617	1	1400	-0.04347	0.7055	78	
SULFATE	250	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3633	1404.597	2369.289	5102902	250	37000	8200	120.7616	269.9694	990245	1	10000	0.03046	0.2774	1274	
SULFATE	250	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3633	1404.597	2369.289	5102902	250	37000	2	100	0	200	100	100	#N/A	#N/A	0	
SULFATE	250	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3633	1404.597	2369.289	5102902	250	37000	776	194.384	563.7236	150842	7	10000	-0.16743	0.2132	57	
SULFATE	250	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3633	1404.597	2369.289	5102902	250	37000	6332	1.869	12.88026	11835	0.1	406	0.34291	0.0001	839	*
SULFATE	250	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3633	1404.597	2369.289	5102902	250	37000	627	3.52998	5.18639	2213.3	0.5	25	0.45264	0.0106	31	*
SULFATE	250	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3633	1404.597	2369.289	5102902	250	37000	9321	7.570965	108.8909	70569	0.01	5875	0.1357	0.0001	1280	*
SULFATE	250	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3633	1404.597	2369.289	5102902	250	37000	1131	4.464633	6.25633	5049.5	1	100	0.14912	0.1812	82	
SULFATE	250	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3633	1404.597	2369.289	5102902	250	37000	9790	9.877542	276.7559	96701	0.02	27300	0.21311	0.0001	1167	*
SULFATE	250	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3633	1404.597	2369.289	5102902	250	37000	952	13.00315	41.66239	12379	1	630	-0.15903	0.2803	48	
SULFATE	250	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3633	1404.597	2369.289	5102902	250	37000	1274	13.5	43.20096	17199	1	1100	-0.23123	0.0366	82	*
SULFATE	250	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3633	1404.597	2369.289	5102902	250	37000	56711	1443.287	4687.848	81850239	1	249000	0.39728	0.0001	3260	*
SULFATE	250	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3633	1404.597	2369.289	5102902	250	37000	565	0.650733	3.513117	367.664	0.001	20	-0.17387	0.451	21	
SULFATE	250	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	3633	1404.597	2369.289	5102902	250	37000	1396	1.095165	12.00667	1528.85	0.01	280	0.55193	0.0006	35	*
SULFATE	250	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3633	1404.597	2369.289	5102902	250	37000	18561	2322.994	304366	43117092	0.02	41465000	-0.01711	0.585	1021	
SULFATE	250	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3633	1404.597	2369.289	5102902	250	37000	21569	3.824813	7.576481	82497	0.1	545.4	-0.00884	0.7433	1439	
SULFATE	250	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3633	1404.597	2369.289	5102902	250	37000	20725	1497.404	13499	31033701	6	319000	0.32118	0.0001	2673	*
SULFATE	250	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	3633	1404.597	2369.289	5102902	250	37000	25507	382.224	1096.769	9749388	1	28000	0.57154	0.0001	3322	*
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3633	1404.597	2369.289	5102902	250	37000	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3633	1404.597	2369.289	5102902	250	37000	2327	12508	62820	29106465	10	960000	0.45797	0.0001	193	*
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3633	1404.597	2369.289	5102902	250	37000	22424	2358.813	28780	52894030	0.1	2180000	0.24908	0.0001	2716	*
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	[illegible]	[illegible]4.597	2369.289	5102902	250	37000	195	55634	131042	10848720	0.01	864000	0.81273	[illegible]	79	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	120	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	6749	833 3349	1844 594	5624178	120	37000	23214	0.037058	0.289409	860 284897	0 001	25	0 35439	0 0001	3520	*
SULFATE	120	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	6749	833.3349	1844.594	5624178	120	37000	835	0 031742	0 183455	26 504833	0 001	5	-0 18749	0 0467	113	*
SULFATE	120	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	6749	833.3349	1844 594	5624178	120	37000	43881	7.122161	0 878663	312385	0 1	12 8	-0 20029	0 0001	6014	*
SULFATE	120	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	6749	833 3349	1844 594	5624178	120	37000	99	1 289899	3.734492	127 7	0 1	31	-0 13461	0 7735	7	
SULFATE	120	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	6749	833 3349	1844.594	5624178	120	37000	154	1 227987	1 930945	189 11	0 02	14	0 88354	0 0001	23	*
SULFATE	120	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	6749	833 3349	1844.594	5624178	120	37000	230	0 280176	0 551313	64 4405	0 009	6 14	0 55799	0 0199	17	*
SULFATE	120	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	6749	833 3349	1844 594	5624178	120	37000	4914	32 0677	18 5323	157581	7	250	0 43948	0 0001	608	*
SULFATE	120	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	6749	833 3349	1844 594	5624178	120	37000	4995	1162 253	3158 094	5805454	7	82082	0 42207	0 0001	611	*
SULFATE	120	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	6749	833 3349	1844.594	5624178	120	37000	7865	55 57754	657 8106	437117	1	27000	0 10551	0 0001	1558	*
SULFATE	120	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	6749	833 3349	1844.594	5624178	120	37000	961	2 578584	3.089181	2478	1	31	0 26208	0 0005	172	*
SULFATE	120	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	6749	833 3349	1844 594	5624178	120	37000	848	9 369458	17 94903	7945 3	0 5	102	-0 13445	0 1146	139	
SULFATE	120	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	6749	833 3349	1844 594	5624178	120	37000	350	4.434286	7 27558	1552	1	50	-0 10835	0 365	72	
SULFATE	120	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	6749	833 3349	1844 594	5624178	120	37000	2359	23 38229	85 84469	55112	0 01	1000	-0 02872	0.6436	262	
SULFATE	120	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	6749	833 3349	1844 594	5624178	120	37000	141	56 54043	200 9786	7972 2	0.1	1300	0 54752	0 0001	68	*
SULFATE	120	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	6749	833 3349	1844 594	5624178	120	37000	141	2844 557	18195	401083	0 1	210000	0 17745	0 1477	68	
SULFATE	120	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	6749	833.3349	1844.594	5624178	120	37000	105993	257.8247	384 157	27327615	0.5	7106	-0 09041	0 0001	5722	*
SULFATE	150	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5712	961 0061	1978 444	5489267	150	37000	2642	204 9232	148 8865	541407	3	4500	0 34368	0 0001	908	*
SULFATE	150	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5712	961 0061	1978 444	5489267	150	37000	2940	7.838537	29 93498	23045	1	200	0 51825	0 0001	554	*
SULFATE	150	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5712	961 0061	1978 444	5489267	150	37000	482	28 07158	61 3558	13531	1	200	-0 09251	0 4175	79	
SULFATE	150	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	5712	961 0061	1978 444	5489267	150	37000	9943	9 090013	72 56837	90382	1	3800	-0 00905	0.7155	1624	
SULFATE	150	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	5712	961 0061	1978 444	5489267	150	37000	1294	17.47882	94 81877	22617	1	1400	-0 02467	0 7675	146	
SULFATE	150	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5712	961 0061	1978 444	5489267	150	37000	8200	120 7616	269 9694	990245	1	10000	-0 00151	0 9466	1630	
SULFATE	150	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5712	961 0061	1978 444	5489267	150	37000	2	100	0	200	100	100	#N/A	#N/A	0	
SULFATE	150	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5712	961 0061	1978 444	5489267	150	37000	776	194 384	563 7236	150842	7	10000	0.07084	0 4928	96	
SULFATE	150	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5712	961 0061	1978 444	5489267	150	37000	6332	1.869	12 88026	11835	0.1	406	0 35653	0 0001	1225	*
SULFATE	150	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5712	961 0061	1978 444	5489267	150	37000	627	3 52998	5 18639	2213 3	0 5	25	0 45432	0 0001	83	*
SULFATE	150	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5712	961 0061	1978 444	5489267	150	37000	9321	7.570965	108 8909	70569	0 01	5675	0 15332	0 0001	1775	*
SULFATE	150	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5712	961 0061	1978 444	5489267	150	37000	1131	4 464833	6 25633	5049 5	1	100	0 25466	0 0017	149	*
SULFATE	150	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5712	961 0061	1978 444	5489267	150	37000	9790	9 877542	276 7559	96701	0 02	27300	0 20526	0 0001	1632	*
SULFATE	150	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5712	961.0061	1978 444	5489267	150	37000	952	13 00315	41 66239	12379	1	830	-0 09036	0 4195	82	
SULFATE	150	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5712	961.0061	1978 444	5489267	150	37000	1274	13.5	43 20096	17199	1	1100	-0 21764	0 0067	154	*
SULFATE	150	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5712	961.0061	1978 444	5489267	150	37000	56711	1443 287	4687.848	81850239	1	249000	0 42385	0 0001	5251	*
SULFATE	150	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5712	961 0061	1978 444	5489267	150	37000	565	0 650733	3 513117	367.664	0.001	20	-0 25221	0 0632	55	
SULFATE	150	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5712	961 0061	1978 444	5489267	150	37000	1396	1.095165	12 00667	1528 85	0 01	280	0 57079	0 0001	67	*
SULFATE	150	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5712	961.0061	1978 444	5489267	150	37000	18561	2322 994	304366	43117092	0 02	41465000	-0 01584	0 5307	1569	
SULFATE	150	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5712	961 0061	1978 444	5489267	150	37000	21569	3 824813	7 578481	82497	0 1	545 4	-0 01815	0 3925	2227	
SULFATE	150	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5712	961.0061	1978 444	5489267	150	37000	20725	1497.404	13499	31033701	6	319000	0 34175	0 0001	4046	*
SULFATE	150	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5712	961.0061	1978 444	5489267	150	37000	25507	382 224	1096.769	9749388	1	28000	0 59884	0 0001	5287	*
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5712	961.0061	1978 444	5489267	150	37000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5712	961 0061	1978.444	5489267	150	37000	2327	12508	62820	29106465	10	960000	0 49172	0 0001	313	*
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5712	961.0061	1978.444	5489267	150	37000	22424	2358.813	28780	52894030	0 1	2180000	0 25914	0 0001	4016	*
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	5712	961.0061	1978.444	5489267	150	37000	195	55634	131042	10848720	0 01	884000	0 80942	0 0001	86	*
SULFATE	150	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5712	961 0061	1978.444	5489267	150	37000	7	9 28571	20 16382	65	1	55	-0 59761	0 2872	5	
SULFATE	150	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5712	961.0061	1978 444	5489267	150	37000	1774	1132 239	6376 538	2008592	1	160000	0 68251	0 0001	206	*
SULFATE	150	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5712	961 0061	1978 444	5489267	150	37000	21991	1007.092	17620	22146953	0 01	1130000	0 32541	0 0001	3929	*
SULFATE	150	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5712	961.0061	1978 444	5489267	150	37000	3232	0.123963	0.198296	400 65	0 1	5 5	0 0238	0 6206	435	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	25	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	14882	408 2126	1301 249	6075019	25	37000	154	1 227987	1.930945	189.11	0 02	14	0 75334	0 0001	42	*
SULFATE	25	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	14882	408 2126	1301 249	6075019	25	37000	230	0 280176	0 551313	64 4405	0 009	6.14	0 45354	0 0001	77	*
SULFATE	25	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	14882	408 2126	1301 249	6075019	25	37000	4914	32.0677	18 5323	157581	7	250	0 23344	0 0001	2012	*
SULFATE	25	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	14882	408 2126	1301 249	6075019	25	37000	4995	1162 253	3158 094	5805454	7	82082	0 28729	0 0001	2017	*
SULFATE	25	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14882	408 2126	1301 249	6075019	25	37000	7865	55 57754	657 8106	437117	1	27000	0 11737	0 0001	3911	*
SULFATE	25	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14882	408 2126	1301 249	6075019	25	37000	961	2 578564	3 089181	2478	1	31	0.212	0 0001	451	*
SULFATE	25	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14882	408 2126	1301.249	6075019	25	37000	848	9.369458	17 94903	7945 3	0.5	102	-0 0304	0 5389	411	
SULFATE	25	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14882	408 2126	1301 249	6075019	25	37000	350	4 434286	7 27558	1552	1	50	-0 08652	0 3094	140	
SULFATE	25	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	14882	408 2126	1301 249	6075019	25	37000	2359	23 36229	65 84469	55112	0 01	1000	0 01006	0.7762	801	
SULFATE	25	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	14882	408 2126	1301 249	6075019	25	37000	141	58 54043	200.9786	7972 2	0 1	1300	0 57683	0 0001	94	*
SULFATE	25	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14882	408 2126	1301 249	6075019	25	37000	141	2844 557	18195	401083	0 1	210000	0 20742	0 0449	94	*
SULFATE	25	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	14882	408 2126	1301 249	6075019	25	37000	105993	257.8247	364 157	27327615	0 5	7106	-0 04425	0 0001	12625	*
SULFATE	120	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	6749	833 3349	1844.594	5624178	120	37000	2642	204.9232	148 8865	541407	3	4500	0 36239	0.0001	1156	*
SULFATE	120	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	6749	833 3349	1844 594	5624178	120	37000	2940	7.838537	29 93498	23045	1	200	0 52571	0 0001	641	*
SULFATE	120	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	6749	833 3349	1844 594	5624178	120	37000	482	28 07158	61 3558	13531	1	200	-0 12119	0 2525	91	
SULFATE	120	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	6749	833 3349	1844 594	5624178	120	37000	9943	9 090013	72 56837	90382	1	3800	-0 00603	0 7903	1944	
SULFATE	120	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	6749	833.3349	1844.594	5624178	120	37000	1294	17 47862	94 81877	22617	1	1400	-0 01775	0 8146	177	
SULFATE	120	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	6749	833 3349	1844 594	5624178	120	37000	8200	120.7616	269 9694	990245	1	10000	-0 01446	0 508	2097	
SULFATE	120	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	6749	833 3349	1844 594	5624178	120	37000	2	100	0	200	100	100	#N/A	#N/A	0	
SULFATE	120	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	6749	833 3349	1844 594	5624178	120	37000	776	194.384	563.7238	150842	7	10000	0 05183	0 574	120	
SULFATE	120	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	6749	833 3349	1844 594	5624178	120	37000	6332	1.869	12 88026	11835	0.1	406	0 36264	0 0001	1402	*
SULFATE	120	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	6749	833 3349	1844 594	5624178	120	37000	627	3 52998	5 18639	2213 3	0.5	25	0 38634	0 0001	100	*
SULFATE	120	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	6749	833 3349	1844 594	5624178	120	37000	9321	7.570965	108.8909	70569	0 01	5675	0 15934	0 0001	2047	*
SULFATE	120	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	6749	833 3349	1844 594	5624178	120	37000	1131	4 464833	6 25633	5049 5	1	100	0 25961	0 0004	180	*
SULFATE	120	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	6749	833 3349	1844 594	5624178	120	37000	9790	9 877542	276 7559	96701	0 02	27300	0 20827	0 0001	1880	*
SULFATE	120	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	6749	833 3349	1844.594	5624178	120	37000	952	13 00315	41 66239	12379	1	630	-0 09288	0.3556	101	
SULFATE	120	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	6749	833 3349	1844 594	5624178	120	37000	1274	13 5	43 20096	17199	1	1100	-0 17909	0 015	184	*
SULFATE	120	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	6749	833 3349	1844 594	5624178	120	37000	56711	1443 287	4687.848	81850239	1	249000	0 43306	0.0001	6238	*
SULFATE	120	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	6749	833 3349	1844 594	5624178	120	37000	565	0 650733	3 513117	367 664	0 001	20	-0 21859	0 0651	72	
SULFATE	120	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	6749	833 3349	1844 594	5624178	120	37000	1396	1.095165	12 00667	1528 85	0 01	280	0 57433	0 0001	98	*
SULFATE	120	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	6749	833 3349	1844 594	5624178	120	37000	18581	2322 994	304366	43117092	0 02	41465000	-0 01354	0 56	1856	
SULFATE	120	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	6749	833 3349	1844 594	5624178	120	37000	21569	3 824813	7.578481	82497	0 1	545 4	-0 02148	0 2686	2653	
SULFATE	120	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	6749	833 3349	1844 594	5624178	120	37000	20725	1497.404	13499	31033701	6	319000	0 34905	0 0001	4907	*
SULFATE	120	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	6749	833 3349	1844 594	5624178	120	37000	25507	382 224	1096.769	9749388	1	28000	0 60723	0 0001	6241	*
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	6749	833 3349	1844.594	5624178	120	37000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	6749	833 3349	1844 594	5624178	120	37000	2327	12508	62820	29106465	10	960000	0 50435	0 0001	408	*
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	6749	833 3349	1844 594	5624178	120	37000	22424	2358 813	28780	52894030	0 1	2180000	0 26248	0 0001	4752	*
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	6749	833.3349	1844 594	5624178	120	37000	195	55634	131042	10848720	0 01	884000	0 80803	0 0001	89	*
SULFATE	120	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	6749	833 3349	1844 594	5624178	120	37000	7	9 28571	20 16382	65	1	55	-0 59761	0 2872	5	
SULFATE	120	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	6749	833 3349	1844 594	5624178	120	37000	1774	1132 239	6376 538	2008592	1	160000	0 68417	0 0001	243	*
SULFATE	120	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	6749	833 3349	1844 594	5624178	120	37000	21991	1007.092	17620	22146953	0 01	1130000	0 32775	0 0001	4658	*
SULFATE	120	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	6749	833 3349	1844 594	5624178	120	37000	3232	0 123903	0 198296	400 65	0 1	5 5	0 03304	0 4508	523	
SULFATE	120	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	6749	833.3349	1844 594	5624178	120	37000	1030	0.296816	0 435845	305 72	0 01	4.5	-0 01322	0 8772	139	
SULFATE	120	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	6749	833.3349	1844 594	5624178	120	37000	6399	50.13064	681 1727	320786	0 02	24600	0 23888	0 0001	1495	*
SULFATE	120	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	6749	833 3349	1844.594	5624178	120	37000	816	21.85697	53.28237	17879	1	590	0 15256	0 0699	142	
SULFATE	120	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	[illegible]	3 3349	1844 594	5624178	120	37000	5683	8 003763	38 93485	45325	0 001	1600	0 24868	[illegible]	1036	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	0	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	26730	231.201	990.9965	6180003	0.03	37000	7885	55.57754	657.8106	437117	1	27000	0.12092	0.0001	7222	*
SULFATE	0	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	26730	231.201	990.9965	6180003	0.03	37000	961	2.578564	3.089181	2478	1	31	0.2593	0.0001	736	*
SULFATE	0	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	26730	231.201	990.9965	6180003	0.03	37000	848	9.369458	17.94903	7945.3	0.5	102	-0.0123	0.7427	715	
SULFATE	0	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	26730	231.201	990.9965	6180003	0.03	37000	350	4.434286	7.27558	1552	1	50	-0.05068	0.4158	260	
SULFATE	0	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	26730	231.201	990.9965	6180003	0.03	37000	2359	23.36229	85.84469	55112	0.01	1000	0.01189	0.5761	2214	
SULFATE	0	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	26730	231.201	990.9965	6180003	0.03	37000	141	56.54043	200.9786	7972.2	0.1	1300	0.59809	0.0001	137	*
SULFATE	0	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	26730	231.201	990.9965	6180003	0.03	37000	141	2644.557	18195	401083	0.1	210000	0.22979	0.0069	137	*
SULFATE	0	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	26730	231.201	990.9965	6180003	0.03	37000	105993	257.8247	364.157	27327615	0.5	7106	-0.02257	0.0007	22549	*
SULFATE	25	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14882	408.2126	1301.249	6075019	25	37000	2642	204.9232	148.8865	541407	3	4500	0.33028	0.0001	1816	*
SULFATE	25	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14882	408.2126	1301.249	6075019	25	37000	2940	7.838537	29.93498	23045	1	200	0.53071	0.0001	1432	*
SULFATE	25	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14882	408.2126	1301.249	6075019	25	37000	482	28.07158	61.3558	13531	1	200	-0.01873	0.7743	237	
SULFATE	25	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	14882	408.2126	1301.249	6075019	25	37000	9943	9.090013	72.56837	90382	1	3800	0.00877	0.536	4983	
SULFATE	25	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	14882	408.2126	1301.249	6075019	25	37000	1294	17.47882	94.81877	22617	1	1400	-0.00829	0.8515	512	
SULFATE	25	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	14882	408.2126	1301.249	6075019	25	37000	8200	120.7816	269.9694	990245	1	10000	-0.08407	0.0001	4158	*
SULFATE	25	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14882	408.2126	1301.249	6075019	25	37000	2	100	0	200	100	100	#N/A	#N/A	0	
SULFATE	25	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14882	408.2126	1301.249	6075019	25	37000	776	194.384	563.7236	150842	7	10000	-0.03323	0.5118	392	
SULFATE	25	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14882	408.2126	1301.249	6075019	25	37000	6332	1.869	12.88026	11835	0.1	406	0.37758	0.0001	3100	*
SULFATE	25	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14882	408.2126	1301.249	6075019	25	37000	627	3.52998	5.18639	2213.3	0.5	25	-0.11098	0.0681	271	
SULFATE	25	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14882	408.2126	1301.249	6075019	25	37000	9321	7.570965	108.8909	70569	0.01	5675	0.18122	0.0001	4757	*
SULFATE	25	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14882	408.2126	1301.249	6075019	25	37000	1131	4.464633	8.25633	5049.5	1	100	0.27427	0.0001	534	*
SULFATE	25	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14882	408.2126	1301.249	6075019	25	37000	9790	9.877542	276.7559	96701	0.02	27300	0.24968	0.0001	4634	*
SULFATE	25	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14882	408.2126	1301.249	6075019	25	37000	952	13.00315	41.66239	12379	1	630	-0.03211	0.584	293	
SULFATE	25	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14882	408.2126	1301.249	6075019	25	37000	1274	13.5	43.20096	17199	1	1100	-0.02817	0.4666	670	
SULFATE	25	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14882	408.2126	1301.249	6075019	25	37000	56711	1443.287	4687.848	81850239	1	249000	0.48514	0.0001	13826	*
SULFATE	25	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14882	408.2126	1301.249	6075019	25	37000	565	0.650733	3.513117	367.664	0.001	20	-0.04102	0.5306	236	
SULFATE	25	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14882	408.2126	1301.249	6075019	25	37000	1396	1.095165	12.00667	1528.85	0.01	280	0.5668	0.0001	560	*
SULFATE	25	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14882	408.2126	1301.249	6075019	25	37000	18561	2322.994	304366	43117092	0.02	41485000	-0.00571	0.7045	4412	
SULFATE	25	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14882	408.2126	1301.249	6075019	25	37000	21569	3.824813	7.578481	82497	0.1	545.4	-0.02426	0.0521	6410	
SULFATE	25	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14882	408.2126	1301.249	6075019	25	37000	20725	1497.404	13499	31033701	6	319000	0.36996	0.0001	11702	*
SULFATE	25	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14882	408.2126	1301.249	6075019	25	37000	25507	382.224	1096.769	9749388	1	28000	0.63068	0.0001	13438	*
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14882	408.2126	1301.249	6075019	25	37000	2	620	878.6225	1240	140	1100	#N/A	#N/A	0	
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14882	408.2126	1301.249	6075019	25	37000	2327	12508	62820	29106465	10	960000	0.49149	0.0001	1096	*
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14882	408.2126	1301.249	6075019	25	37000	22424	2358.813	28760	52894030	0.1	2180000	0.27191	0.0001	11190	*
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	14882	408.2126	1301.249	6075019	25	37000	195	55634	131042	10848720	0.01	884000	0.81623	0.0001	161	*
SULFATE	25	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14882	408.2126	1301.249	6075019	25	37000	7	9.28571	20.16362	65	1	55	-0.59761	0.2872	5	
SULFATE	25	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14882	408.2126	1301.249	6075019	25	37000	1774	1132.239	6376.538	2008592	1	160000	0.69225	0.0001	716	*
SULFATE	25	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14882	408.2126	1301.249	6075019	25	37000	21991	1007.092	17620	22146953	0.01	1130000	0.334	0.0001	11003	*
SULFATE	25	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14882	408.2126	1301.249	6075019	25	37000	3232	0.123963	0.198296	400.65	0.1	5.5	0.04931	0.0495	1588	*
SULFATE	25	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14882	408.2126	1301.249	6075019	25	37000	1030	0.296816	0.435845	305.72	0.01	4.5	-0.00017	0.997	504	
SULFATE	25	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14882	408.2126	1301.249	6075019	25	37000	6399	50.13064	681.1727	320788	0.02	24600	0.25543	0.0001	3061	*
SULFATE	25	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14882	408.2126	1301.249	6075019	25	37000	818	21.85697	53.28237	17879	1	590	0.25495	0.0001	430	*
SULFATE	25	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	14882	408.2126	1301.249	6075019	25	37000	5663	8.003763	38.93465	45325	0.001	1600	0.08675	0.0001	2259	*
SULFATE	25	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14882	408.2126	1301.249	6075019	25	37000	23214	0.037058	0.289409	860.264897	0.001	25	0.35465	0.0001	9399	*
SULFATE	25	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14882	408.2126	1301.249	6075019	25	37000	835	0.031742	0.183455	26.504833	0.001	5	-0.18244	0.0051	234	*
SULFATE	25	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14882	408.2126	1301.249	6075019	25	37000	43861	7.122161	0.878663	312385	0.1	12.8	-0.13841	0.0001	13354	*
SULFATE	25	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	14882	408.2126	1301.249	6075019	25	37000	99	1.289899	3.734492	127.7	0.1	31	0.15911	0.2801	48	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	URANIUM-235	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	351	1191 477	2892 657	418209	50	27000	141	56 54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
SELENIUM	50	URANIUM-235	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56.54043	200 9786	7972 2	0 1	1300	#N/A	#N/A	0	
SELENIUM	50	URANIUM-238	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	351	1191.477	2892 657	418209	50	27000	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
SELENIUM	50	URANIUM-238	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
SELENIUM	50	WELL-DEPTH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	351	1191 477	2892 657	418209	50	27000	105993	257 8247	364 157	27327615	0 5	7106	-0 118	0 0814	219	
SELENIUM	50	WELL-DEPTH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257.8247	364 157	27327615	0 5	7106	#N/A	#N/A	0	
SULFATE	0	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	26730	231.201	990 9965	6180003	0 03	37000	2642	204.9232	148 8865	541407	3	4500	0 29746	0 0001	2190	*
SULFATE	0	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	26730	231 201	990 9965	6180003	0.03	37000	2940	7.638537	29 93498	23045	1	200	0 52181	0 0001	2780	*
SULFATE	0	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	26730	231 201	990 9965	6180003	0.03	37000	482	28 07158	61 3558	13531	1	200	-0.01171	0.8182	388	
SULFATE	0	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	26730	231 201	990 9965	6180003	0 03	37000	8200	120.7816	269 9694	990245	1	10000	-0.0504	0 0001	7384	*
SULFATE	0	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	26730	231 201	990 9965	6180003	0 03	37000	2	100	0	200	100	100	#N/A	#N/A	0	
SULFATE	0	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	26730	231 201	990 9965	6180003	0 03	37000	776	194.384	563 7236	150842	7	10000	-0 02894	0 4856	583	
SULFATE	0	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	26730	231 201	990.9965	6180003	0.03	37000	6332	1.869	12 88026	11835	0 1	406	0 37988	0 0001	5715	*
SULFATE	0	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	26730	231 201	990 9965	6180003	0 03	37000	627	3 52998	5 18639	2213 3	0 5	25	-0 00616	0 8875	531	
SULFATE	0	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	26730	231 201	990 9965	6180003	0 03	37000	9321	7 570965	108 8909	70569	0 01	5675	0 18851	0 0001	8691	*
SULFATE	0	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	26730	231.201	990 9965	6180003	0.03	37000	1131	4.464633	6 25633	5049 5	1	100	0 27027	0 0001	918	*
SULFATE	0	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	26730	231 201	990 9965	6180003	0.03	37000	9790	9 877542	276 7559	96701	0 02	27300	0 01484	0.1676	8647	
SULFATE	0	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	26730	231.201	990 9965	6180003	0.03	37000	952	13 00315	41 66239	12379	1	630	-0.00995	0 8314	460	
SULFATE	0	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	26730	231 201	990 9965	6180003	0.03	37000	1274	13 5	43 20096	17199	1	1100	-0 01396	0 6504	1058	
SULFATE	0	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	26730	231 201	990 9965	6180003	0 03	37000	56711	1443 287	4687 848	81850239	1	249000	0 46122	0 0001	24643	*
SULFATE	0	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	26730	231 201	990 9965	6180003	0 03	37000	565	0 650733	3.513117	367 664	0 001	20	-0 12511	0 0048	507	*
SULFATE	0	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	26730	231 201	990 9965	6180003	0 03	37000	1396	1 095165	12 00687	1528 85	0 01	280	0 55519	0 0001	1129	*
SULFATE	0	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	26730	231 201	990 9965	6180003	0.03	37000	18561	2322.994	304366	43117092	0 02	41465000	-0.00391	0 7278	7926	
SULFATE	0	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	26730	231 201	990.9965	6180003	0 03	37000	21569	3 824813	7 578481	82497	0 1	545.4	-0 03587	0 0001	12535	*
SULFATE	0	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	26730	231 201	990 9965	6180003	0 03	37000	20725	1497 404	13499	31033701	6	319000	0 37724	0 0001	20719	*
SULFATE	0	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	26730	231 201	990 9965	6180003	0.03	37000	25507	382.224	1096 769	9749388	1	28000	0 62441	0 0001	23939	*
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	26730	231 201	990.9965	6180003	0.03	37000	2	620	678 8225	1240	140	1100	#N/A	#N/A	0	
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	26730	231.201	990.9965	6180003	0 03	37000	2327	12508	62820	29106465	10	960000	0 49093	0 0001	1959	*
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	26730	231 201	990 9965	6180003	0 03	37000	22424	2358.813	28780	52894030	0.1	2180000	0 27315	0 0001	20681	*
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	26730	231 201	990 9965	6180003	0 03	37000	195	55634	131042	10848720	0 01	864000	0 61772	0 0001	174	*
SULFATE	0	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	26730	231 201	990 9965	6180003	0.03	37000	7	9 28571	20.18362	65	1	55	-0 59761	0 2872	5	
SULFATE	0	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	26730	231.201	990.9965	6180003	0 03	37000	1774	1132 239	6376 538	2008592	1	160000	0 68716	0 0001	1423	*
SULFATE	0	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	26730	231.201	990 9965	6180003	0.03	37000	21991	1007 092	17620	22146953	0.01	1130000	0 33576	0 0001	20209	*
SULFATE	0	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	26730	231 201	990.9965	6180003	0.03	37000	3232	0 123963	0 198296	400 65	0 1	5.5	0 03357	0 0657	3006	
SULFATE	0	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	26730	231.201	990 9965	6180003	0 03	37000	1030	0 296816	0 435845	305 72	0 01	4 5	-0.00575	0 8674	846	
SULFATE	0	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	26730	231.201	990 9965	6180003	0 03	37000	6399	50.13064	681.1727	320786	0 02	24600	0 26265	0 0001	5789	*
SULFATE	0	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	26730	231 201	990 9965	6180003	0 03	37000	818	21.85697	53 28237	17879	1	590	0 24209	0 0001	700	*
SULFATE	0	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	26730	231.201	990 9965	6180003	0 03	37000	5663	8.003763	38.93465	45325	0 001	1600	0 09828	0 0001	4100	*
SULFATE	0	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	26730	231.201	990 9965	6180003	0 03	37000	23214	0 037058	0 289409	860 264897	0.001	25	0 35678	0 0001	17788	*
SULFATE	0	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	26730	231 201	990 9965	6180003	0 03	37000	835	0.031742	0 183455	26 504833	0 001	5	-0 02693	0 5096	602	
SULFATE	0	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	26730	231.201	990 9965	6180003	0.03	37000	43861	7.122181	0 878663	312385	0 1	12 8	-0 05336	0 0001	24014	*
SULFATE	0	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	26730	231 201	990.9965	6180003	0 03	37000	99	1 289899	3 734492	127 7	0 1	31	-0 028	0 791	92	
SULFATE	0	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	26730	231.201	990.9965	6180003	0.03	37000	154	1 227987	1.930945	189.11	0 02	14	0 42118	0 0001	139	*
SULFATE	0	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	26730	231 201	990 9965	6180003	0 03	37000	230	0 280176	0 551313	64.4405	0 009	6 14	0.19929	0 0035	213	*
SULFATE	0	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	26730	231.201	990.9965	6180003	0.03	37000	4914	32.0677	18 5323	157561	7	250	0 14727	0 0001	4255	*
SULFATE	0	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	26	231.201	990.9965	6180003	0.03	37000	4995	1162.253	3158 094	5805454	7	82082	0 20022		4295	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	351	1191.477	2892.657	418209	50	27000	22424	2358.813	28780	52894030	0.1	2180000	-0.11128	0.3048	87	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	351	1191.477	2892.657	418209	50	27000	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	351	1191.477	2892.657	418209	50	27000	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	351	1191.477	2892.657	418209	50	27000	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
SELENIUM	50	MANGANESE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	351	1191.477	2892.657	418209	50	27000	21991	1007.092	17620	22146953	0.01	1130000	0.09543	0.3602	94	
SELENIUM	50	MANGANESE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
SELENIUM	50	MERCURY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	351	1191.477	2892.657	418209	50	27000	3232	0.123963	0.198296	400.65	0.1	5.5	-0.41292	0.3093	8	
SELENIUM	50	MERCURY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	351	1191.477	2892.657	418209	50	27000	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	1	
SELENIUM	50	MERCURY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
SELENIUM	50	MERCURY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	351	1191.477	2892.657	418209	50	27000	6399	50.13064	681.1727	320786	0.02	24600	-0.16638	0.1428	79	
SELENIUM	50	NICKEL	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	351	1191.477	2892.657	418209	50	27000	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
SELENIUM	50	NITRATE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	351	1191.477	2892.657	418209	50	27000	5663	8.003763	38.93465	45325	0.001	1600	0.58813	0.0001	50	*
SELENIUM	50	NITRATE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	351	1191.477	2892.657	418209	50	27000	23214	0.037058	0.289409	860.264897	0.001	25	-0.12622	0.3014	69	
SELENIUM	50	NITRITE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	351	1191.477	2892.657	418209	50	27000	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
SELENIUM	50	PH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	351	1191.477	2892.657	418209	50	27000	43861	7.122161	0.878663	312385	0.1	12.8	-0.09445	0.0807	343	
SELENIUM	50	PH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	351	1191.477	2892.657	418209	50	27000	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	351	1191.477	2892.657	418209	50	27000	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	351	1191.477	2892.657	418209	50	27000	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
SELENIUM	50	RADON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P76002	RADON 222-PE-P76002-(PCI/L)	351	1191.477	2892.657	418209	50	27000	4914	32.0677	18.5323	157581	7	250	1	#N/A	2	
SELENIUM	50	RADON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	351	1191.477	2892.657	418209	50	27000	4995	1162.253	3158.094	5805454	7	82082	0.93522	0.2304	3	
SELENIUM	50	RADON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	0	
SELENIUM	50	RADON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	0	
SELENIUM	50	SULFATE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	351	1191.477	2892.657	418209	50	27000	26730	231.201	990.9965	6180003	0.03	37000	0.00199	0.9831	116	
SELENIUM	50	SULFATE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	351	1191.477	2892.657	418209	50	27000	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	2	
SELENIUM	50	THALLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	351	1191.477	2892.657	418209	50	27000	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
SELENIUM	50	TURBIDITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	351	1191.477	2892.657	418209	50	27000	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
SELENIUM	50	TURBIDITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	ALKALINITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	351	1191.477	2892.657	418209	50	27000	2642	204.9232	148.8865	541407	3	4500	0.81462	0.1854	4	
SELENIUM	50	ALKALINITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	351	1191.477	2892.657	418209	50	27000	2940	7.838537	29.93498	23045	1	200	-0.30322	0.6199	5	
SELENIUM	50	ANTIMONY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	351	1191.477	2892.657	418209	50	27000	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	351	1191.477	2892.657	418209	50	27000	9943	9.090013	72.56837	90382	1	3800	-0.08969	0.423	82	
SELENIUM	50	ARSENIC	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	351	1191.477	2892.657	418209	50	27000	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	1	
SELENIUM	50	ARSENIC	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	351	1191.477	2892.657	418209	50	27000	8200	120.7616	269.9694	990245	1	10000	-0.04863	0.6745	77	
SELENIUM	50	BARIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	351	1191.477	2892.657	418209	50	27000	2	100	0	200	100	100	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	351	1191.477	2892.657	418209	50	27000	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	1	
SELENIUM	50	BARIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	100	0	200	100	100	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	351	1191.477	2892.657	418209	50	27000	6332	1.869	12.88026	11835	0.1	406	0.14725	0.2138	73	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	351	1191.477	2892.657	418209	50	27000	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	351	1191.477	2892.657	418209	50	27000	9321	7.570965	108.8909	70569	0.01	5675	-0.08878	0.4306	81	
SELENIUM	50	CADMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	351	1191.477	2892.657	418209	50	27000	1131	4.464633	8.25633	5049.5	1	100	#N/A	#N/A	1	
SELENIUM	50	CADMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4.464633	8.25633	5049.5	1	100	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	351	1191.477	2892.657	418209	50	27000	9790	9.877542	276.7559	96701	0.02	27300	-0.11585	0.303	81	
SELENIUM	50	CHROMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	351	1191.477	2892.657	418209	50	27000	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	1	
SELENIUM	50	CHROMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	351	1191.477	2892.657	418209	50	27000	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	1	
SELENIUM	50	CHROMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
SELENIUM	50	CONDUCTANCE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	351	1191.477	2892.657	418209	50	27000	56711	1443.287	4687.848	81850239	1	249000	0.42932	0.0001	342	*
SELENIUM	50	CONDUCTANCE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	351	1191.477	2892.657	418209	50	27000	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	351	1191.477	2892.657	418209	50	27000	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
SELENIUM	50	DEPTH-BELOW-LAN	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	351	1191.477	2892.657	418209	50	27000	18561	2322.994	304366	43117092	0.02	41465000	-0.27651	0.0073	91	*
SELENIUM	50	DEPTH-BELOW-LAN	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-OXYGE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	351	1191.477	2892.657	418209	50	27000	21569	3.824813	7.578481	82497	0.1	545.4	-0.10793	0.4328	55	
SELENIUM	50	DISSOLVED-OXYGE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-SOLID	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	351	1191.477	2892.657	418209	50	27000	20725	1497.404	13499	31033701	6	319000	0.09449	0.3109	117	
SELENIUM	50	DISSOLVED-SOLID	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
SELENIUM	50	HARDNESS	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	351	1191.477	2892.657	418209	50	27000	25507	382.224	1096.769	9749388	1	28000	0.17739	0.0557	117	
SELENIUM	50	HARDNESS	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	351	1191.477	2892.657	418209	50	27000	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	[illegible]	91.477	2892.657	418209	50	27000	2327	12508	62820	29106465	10	960000	#N/A	[illegible]	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	347	8134.754	9332.78	2822760	3000	82082	99	1.289899	3.734492	127.7	0.1	31	0.50056	0.2526	7	
RADON	3000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	347	8134.754	9332.78	2822760	3000	82082	154	1.227987	1.930945	189.11	0.02	14	-1	#N/A	2	
RADON	3000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	347	8134.754	9332.78	2822760	3000	82082	230	0.280176	0.551313	64.4405	0.009	6.14	-0.19757	0.6104	9	
RADON	3000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
RADON	3000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	3000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	347	8134.754	9332.78	2822760	3000	82082	7865	55.57754	657.8106	437117	1	27000	0.0751	0.3876	146	
RADON	3000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	347	8134.754	9332.78	2822760	3000	82082	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	3000	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	0	
RADON	3000	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	347	8134.754	9332.78	2822760	3000	82082	26730	231.201	990.9965	6180003	0.03	37000	0.37468	0.0001	275	*
RADON	3000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
RADON	3000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADON	3000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	347	8134.754	9332.78	2822760	3000	82082	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	42	
RADON	3000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	347	8134.754	9332.78	2822760	3000	82082	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADON	3000	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
RADON	3000	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	347	8134.754	9332.78	2822760	3000	82082	2359	23.36229	85.84469	55112	0.01	1000	-0.12581	0.5403	26	
RADON	3000	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
RADON	3000	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	347	8134.754	9332.78	2822760	3000	82082	141	56.54043	200.9786	7972.2	0.1	1300	-0.26822	0.2398	21	
RADON	3000	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
RADON	3000	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	347	8134.754	9332.78	2822760	3000	82082	141	2844.557	18195	401083	0.1	210000	-0.26092	0.2533	21	
RADON	3000	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257.6247	364.157	27327615	0.5	7106	#N/A	#N/A	0	
RADON	3000	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	347	8134.754	9332.78	2822760	3000	82082	105993	257.6247	364.157	27327615	0.5	7106	0.02804	0.6338	291	
SELENIUM	0	ALKALINITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7865	55.57754	657.8106	437117	1	27000	2642	204.9232	148.8865	541407	3	4500	0.30381	0.0001	437	*
SELENIUM	0	ALKALINITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	961	2.578564	3.089181	2478	1	31	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	17	
SELENIUM	0	CONDUCTANCE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7865	55.57754	657.8106	437117	1	27000	56711	1443.287	4687.848	81850239	1	249000	0.27548	0.0001	7484	*
SELENIUM	0	CONDUCTANCE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	961	2.578564	3.089181	2478	1	31	56711	1443.287	4687.848	81850239	1	249000	0.03736	0.3135	730	
SELENIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7865	55.57754	657.8106	437117	1	27000	18561	2322.994	304366	43117092	0.02	41465000	-0.00761	0.7158	2289	
SELENIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	961	2.578564	3.089181	2478	1	31	18561	2322.994	304366	43117092	0.02	41465000	-0.09262	0.0966	323	
SELENIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7865	55.57754	657.8106	437117	1	27000	21569	3.824813	7.578481	82497	0.1	545.4	-0.00104	0.9484	3904	
SELENIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	961	2.578564	3.089181	2478	1	31	21569	3.824813	7.578481	82497	0.1	545.4	0.18565	0.0012	302	*
SELENIUM	0	DISSOLVED-SOLID	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7865	55.57754	657.8106	437117	1	27000	20725	1497.404	13499	31033701	6	319000	0.12364	0.0001	6665	*
SELENIUM	0	DISSOLVED-SOLID	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	961	2.578564	3.089181	2478	1	31	20725	1497.404	13499	31033701	6	319000	0.13091	0.014	352	*
SELENIUM	0	HARDNESS	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	7865	55.57754	657.8106	437117	1	27000	25507	382.224	1096.769	9749388	1	28000	0.12773	0.0001	7241	*
SELENIUM	0	HARDNESS	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	961	2.578564	3.089181	2478	1	31	25507	382.224	1096.769	9749388	1	28000	0.28665	0.0001	464	*
SELENIUM	0	PH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7865	55.57754	657.8106	437117	1	27000	43861	7.122161	0.876663	312385	0.1	12.8	0.01404	0.2221	7565	
SELENIUM	0	PH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	961	2.578564	3.089181	2478	1	31	43861	7.122161	0.876663	312385	0.1	12.8	-0.15485	0.0001	894	*
SELENIUM	0	THALLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7865	55.57754	657.8106	437117	1	27000	848	9.369458	17.94903	7945.3	0.5	102	-0.03427	0.3719	681	
SELENIUM	0	THALLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7865	55.57754	657.8106	437117	1	27000	350	4.434286	7.27558	1552	1	50	-0.26076	0.0024	133	*
SELENIUM	0	THALLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	961	2.578564	3.089181	2478	1	31	848	9.369458	17.94903	7945.3	0.5	102	0.27399	0.0001	221	*
SELENIUM	0	THALLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	961	2.578564	3.089181	2478	1	31	350	4.434286	7.27558	1552	1	50	0.82879	0.0001	328	*
SELENIUM	0	TURBIDITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	7865	55.57754	657.8106	437117	1	27000	2359	23.36229	85.84469	55112	0.01	1000	-0.01119	0.7238	1000	
SELENIUM	0	TURBIDITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	961	2.578564	3.089181	2478	1	31	2359	23.36229	85.84469	55112	0.01	1000	0.08107	0.5678	52	
SELENIUM	0	WELL-DEPTH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	7865	55.57754	657.8106	437117	1	27000	105993	257.6247	364.157	27327615	0.5	7106	-0.02874	0.0205	6499	*
SELENIUM	0	WELL-DEPTH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	961	2.578564	3.089181	2478	1	31	105993	257.6247	364.157	27327615	0.5	7106	-0.22891	0.0001	783	*

Appendix E-threshold. National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHREG	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	347	8134.754	9332.78	2822760	3000	82082	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	347	8134.754	9332.78	2822760	3000	82082	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	347	8134.754	9332.78	2822760	3000	82082	56711	1443.287	4687.848	81850239	1	249000	0.30389	0.0001	328	*
RADON	3000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADON	3000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
RADON	3000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	347	8134.754	9332.78	2822760	3000	82082	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	2	
RADON	3000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	347	8134.754	9332.78	2822760	3000	82082	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	45	
RADON	3000	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
RADON	3000	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	347	8134.754	9332.78	2822760	3000	82082	18561	2322.994	304366	43117092	0.02	41465000	0.38636	0.0001	110	*
RADON	3000	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
RADON	3000	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	347	8134.754	9332.78	2822760	3000	82082	21569	3.824813	7.578481	82497	0.1	545.4	-0.09556	0.0985	300	
RADON	3000	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
RADON	3000	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	347	8134.754	9332.78	2822760	3000	82082	20725	1497.404	13499	31033701	6	319000	0.24281	0.0001	252	*
RADON	3000	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
RADON	3000	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	347	8134.754	9332.78	2822760	3000	82082	25507	382.224	1096.769	9749388	1	28000	0.39128	0.0001	276	*
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	620	878.8225	1240	140	1100	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	347	8134.754	9332.78	2822760	3000	82082	2	620	878.8225	1240	140	1100	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	347	8134.754	9332.78	2822760	3000	82082	2327	12508	62820	29106465	10	960000	0.00127	0.993	50	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	347	8134.754	9332.78	2822760	3000	82082	22424	2358.813	28780	52894030	0.1	2180000	0.38167	0.0001	273	*
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01047	IRON-FERROUS-P01047-(UG/L)	347	8134.754	9332.78	2822760	3000	82082	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	347	8134.754	9332.78	2822760	3000	82082	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	347	8134.754	9332.78	2822760	3000	82082	1774	1132.239	6376.538	2008592	1	160000	0.0094	0.9478	51	
RADON	3000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	347	8134.754	9332.78	2822760	3000	82082	21991	1007.092	17620	22146953	0.01	1130000	0.35214	0.0001	273	*
RADON	3000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
RADON	3000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	3000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	347	8134.754	9332.78	2822760	3000	82082	3232	0.123963	0.198296	400.65	0.1	5.5	-0.06021	0.591	82	
RADON	3000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	347	8134.754	9332.78	2822760	3000	82082	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	347	8134.754	9332.78	2822760	3000	82082	6399	50.13064	681.1727	320786	0.02	24600	0.35121	0.0001	177	*
RADON	3000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	347	8134.754	9332.78	2822760	3000	82082	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	3000	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADON	3000	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	347	8134.754	9332.78	2822760	3000	82082	5663	8.003763	38.93465	45325	0.001	1600	-0.11313	0.6881	15	
RADON	3000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
RADON	3000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	3000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	347	8134.754	9332.78	2822760	3000	82082	23214	0.037058	0.289409	860.264897	0.001	25	0.05923	0.3452	256	
RADON	3000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	347	8134.754	9332.78	2822760	3000	82082	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	3000	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	0	
RADON	3000	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	[illegible]	34.754	9332.78	2822760	3000	82082	43861	7.122161	0.878663	312385	0.1	12.8	-0.08968	[illegible]	325	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
RADON	1000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	1000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1224	3481.386	5781.574	4261217	1000	82082	7865	55.57754	657.8106	437117	1	27000	-0.01661	0.6916	573	
RADON	1000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1224	3481.386	5781.574	4261217	1000	82082	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	1000	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	0	
RADON	1000	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1224	3481.386	5781.574	4261217	1000	82082	26730	231.201	990.9965	6180003	0.03	37000	0.30173	0.0001	1004	*
RADON	1000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
RADON	1000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADON	1000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1224	3481.386	5781.574	4261217	1000	82082	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	83	
RADON	1000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1224	3481.386	5781.574	4261217	1000	82082	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	1	
RADON	1000	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
RADON	1000	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	1224	3481.386	5781.574	4261217	1000	82082	2359	23.36229	85.84469	55112	0.01	1000	-0.07891	0.3611	136	
RADON	1000	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
RADON	1000	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1224	3481.386	5781.574	4261217	1000	82082	141	56.54043	200.9786	7972.2	0.1	1300	-0.12961	0.4254	40	
RADON	1000	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
RADON	1000	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1224	3481.386	5781.574	4261217	1000	82082	141	2844.557	18195	401083	0.1	210000	-0.11204	0.4913	40	
RADON	1000	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257.6247	364.157	27327615	0.5	7106	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1224	3481.386	5781.574	4261217	1000	82082	105993	257.6247	364.157	27327615	0.5	7106	0.07292	0.0179	1054	*
RADON	3000	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	3000	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	347	8134.754	9332.78	2822760	3000	82082	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	347	8134.754	9332.78	2822760	3000	82082	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	111	
RADON	3000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	347	8134.754	9332.78	2822760	3000	82082	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	3000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
RADON	3000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
RADON	3000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	347	8134.754	9332.78	2822760	3000	82082	9943	9.090013	72.56837	90382	1	3800	-0.05116	0.5076	170	
RADON	3000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	347	8134.754	9332.78	2822760	3000	82082	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	1	
RADON	3000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	347	8134.754	9332.78	2822760	3000	82082	8200	120.7616	269.9694	990245	1	10000	-0.01305	0.8631	177	
RADON	3000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	347	8134.754	9332.78	2822760	3000	82082	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	347	8134.754	9332.78	2822760	3000	82082	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	347	8134.754	9332.78	2822760	3000	82082	6332	1.869	12.88026	11835	0.1	406	0.37503	0.0001	177	*
RADON	3000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	347	8134.754	9332.78	2822760	3000	82082	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4.484633	6.25633	5049.5	1	100	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	347	8134.754	9332.78	2822760	3000	82082	9321	7.570965	108.8909	70569	0.01	5675	0.33238	0.0001	185	*
RADON	3000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	347	8134.754	9332.78	2822760	3000	82082	1131	4.484633	6.25633	5049.5	1	100	#N/A	#N/A	1	
RADON	3000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13.00315	41.68239	12379	1	630	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	347	8134.754	9332.78	2822760	3000	82082	9790	9.877542	276.7559	96701	0.02	27300	0.42075	0.0001	185	*

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1224	3481.386	5781.574	4261217	1000	82082	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	10	
RADON	1000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1224	3481.386	5781.574	4261217	1000	82082	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	148	
RADON	1000	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
RADON	1000	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1224	3481.386	5781.574	4261217	1000	82082	18561	2322.994	304366	43117092	0.02	41465000	0.10474	0.0344	408	*
RADON	1000	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
RADON	1000	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1224	3481.386	5781.574	4261217	1000	82082	21569	3.824813	7.578481	82497	0.1	545.4	0.05217	0.1055	964	
RADON	1000	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
RADON	1000	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1224	3481.386	5781.574	4261217	1000	82082	20725	1497.404	13499	31033701	6	319000	0.04224	0.2046	904	
RADON	1000	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
RADON	1000	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1224	3481.386	5781.574	4261217	1000	82082	25507	382.224	1096.769	9749388	1	28000	0.28258	0.0001	986	*
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1224	3481.386	5781.574	4261217	1000	82082	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1224	3481.386	5781.574	4261217	1000	82082	2327	12508	62820	29106465	10	960000	-0.02689	0.7992	92	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1224	3481.386	5781.574	4261217	1000	82082	22424	2358.813	28780	52894030	0.1	2180000	0.3804	0.0001	1008	*
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	1224	3481.386	5781.574	4261217	1000	82082	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1224	3481.386	5781.574	4261217	1000	82082	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1224	3481.386	5781.574	4261217	1000	82082	1774	1132.239	6376.538	2008592	1	160000	-0.06797	0.4972	102	
RADON	1000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1224	3481.386	5781.574	4261217	1000	82082	21991	1007.092	17620	22146953	0.01	1130000	0.31326	0.0001	1008	*
RADON	1000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
RADON	1000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	1000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1224	3481.386	5781.574	4261217	1000	82082	3232	0.123963	0.198296	400.65	0.1	5.5	-0.01717	0.8117	195	
RADON	1000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1224	3481.386	5781.574	4261217	1000	82082	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1224	3481.386	5781.574	4261217	1000	82082	6399	50.13064	681.1727	320786	0.02	24600	0.25339	0.0001	571	*
RADON	1000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1224	3481.386	5781.574	4261217	1000	82082	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	1000	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADON	1000	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1224	3481.386	5781.574	4261217	1000	82082	5663	8.003763	38.93465	45325	0.001	1600	-0.06291	0.5061	114	
RADON	1000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
RADON	1000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	1000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1224	3481.386	5781.574	4261217	1000	82082	23214	0.037058	0.289409	860.264897	0.001	25	-0.02418	0.4461	995	
RADON	1000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1224	3481.386	5781.574	4261217	1000	82082	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	1000	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	0	
RADON	1000	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1224	3481.386	5781.574	4261217	1000	82082	43861	7.122161	0.878663	312385	0.1	12.8	-0.18757	0.0001	1164	*
RADON	1000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1224	3481.386	5781.574	4261217	1000	82082	99	1.289899	3.734492	127.7	0.1	31	0.11055	0.7944	8	
RADON	1000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1224	3481.386	5781.574	4261217	1000	82082	154	1.227987	1.930945	189.11	0.02	14	-0.11009	0.7473	11	
RADON	1000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1224	3481.386	5781.574	4261217	1000	82082	230	0.280176	0.551313	64.4405	0.009	6.14	0.10384	[illegible]	19	

Appendix E-threshold National correlation analysis Correla[illegible]ents and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9 369458	17 94903	7945 3	0 5	102	#N/A	#N/A	0	
RADON	500	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	0	
RADON	500	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2443	2089 686	4323 865	5105104	500	82082	848	9.369458	17 94903	7945 3	0 5	102	#N/A	#N/A	100	
RADON	500	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2443	2089 686	4323.865	5105104	500	82082	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	1	
RADON	500	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
RADON	500	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00076	TURBIDITY-P00076-(NTU)	2443	2089 686	4323.865	5105104	500	82082	2359	23 36229	85 84469	55112	0 01	1000	-0 06289	0 2735	305	
RADON	500	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCi/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56 54043	200 9788	7972 2	0 1	1300	#N/A	#N/A	0	
RADON	500	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCi/L)	2443	2089 686	4323 865	5105104	500	82082	141	56 54043	200.9788	7972 2	0 1	1300	-0 05014	0 7111	57	
RADON	500	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCi/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
RADON	500	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCi/L)	2443	2089 686	4323 865	5105104	500	82082	141	2844 557	18195	401083	0 1	210000	-0 0601	0 657	57	
RADON	500	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257 6247	364 157	27327615	0 5	7106	#N/A	#N/A	0	
RADON	500	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P72008	DEPTH OF WELL-P72008-(FEET)	2443	2089 686	4323.865	5105104	500	82082	105993	257.6247	364.157	27327615	0 5	7106	0 04194	0 0514	2158	
RADON	1000	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	1000	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1224	3481 386	5781 574	4261217	1000	82082	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7 838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28.07158	61 3558	13531	1	200	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1224	3481 386	5781 574	4261217	1000	82082	2940	7 838537	29 93498	23045	1	200	-0 08871	0 0735	408	
RADON	1000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1224	3481 386	5781 574	4261217	1000	82082	482	28 07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	1000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72 56837	90382	1	3800	#N/A	#N/A	0	
RADON	1000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	0	
RADON	1000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1224	3481.386	5781 574	4261217	1000	82082	9943	9.090013	72 56837	90382	1	3800	-0 06167	0 1154	653	
RADON	1000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1224	3481 386	5781 574	4261217	1000	82082	1294	17.47862	94 81877	22617	1	1400	-1	#N/A	2	
RADON	1000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8200	120 7616	269 9694	990245	1	10000	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	776	194.384	563 7236	150842	7	10000	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1224	3481 386	5781 574	4261217	1000	82082	8200	120 7616	269 9694	990245	1	10000	-0 10866	0 0091	576	*
RADON	1000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1224	3481 386	5781.574	4261217	1000	82082	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1224	3481 386	5781.574	4261217	1000	82082	776	194.384	563 7236	150842	7	10000	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1 869	12.88026	11835	0 1	406	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1224	3481 386	5781.574	4261217	1000	82082	6332	1.869	12 88026	11835	0 1	406	0 30282	0 0001	570	*
RADON	1000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1224	3481 386	5781 574	4261217	1000	82082	627	3 52998	5 18639	2213 3	0 5	25	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108 8909	70569	0 01	5675	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4 464633	6 25633	5049 5	1	100	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1224	3481 386	5781.574	4261217	1000	82082	9321	7.570965	108 8909	70569	0 01	5675	0 27626	0 0001	690	*
RADON	1000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1224	3481 386	5781.574	4261217	1000	82082	1131	4.464633	6 25633	5049 5	1	100	#N/A	#N/A	10	
RADON	1000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9 877542	276 7559	96701	0 02	27300	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1224	3481 386	5781.574	4261217	1000	82082	9790	9.877542	276.7559	96701	0 02	27300	0 34521	0 0001	689	*
RADON	1000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1224	3481.386	5781.574	4261217	1000	82082	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1224	3481 386	5781.574	4261217	1000	82082	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443 287	4687 848	81850239	1	249000	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1224	3481.386	5781.574	4261217	1000	82082	56711	1443.287	4687.848	81850239	1	249000	0 02214	0 4479	1177	
RADON	1000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.684	0 001	20	#N/A	#N/A	0	
RADON	1000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12 00687	1528 85	0 01	280	#N/A	#N/A	0	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
RADON	500	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2443	2089.686	4323.865	5105104	500	82082	20725	1497.404	13499	31033701	6	319000	-0.01348	0.5564	1905	
RADON	500	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
RADON	500	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2443	2089.686	4323.865	5105104	500	82082	25507	382.224	1096.769	9749388	1	28000	0.2005	0.0001	2032	*
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2443	2089.686	4323.865	5105104	500	82082	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2443	2089.686	4323.865	5105104	500	82082	2327	12508	62820	29106465	10	960000	-0.09663	0.3153	110	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2443	2089.686	4323.865	5105104	500	82082	22424	2358.813	28780	52894030	0.1	2180000	0.37464	0.0001	2079	*
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	2443	2089.686	4323.865	5105104	500	82082	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2443	2089.686	4323.865	5105104	500	82082	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2443	2089.686	4323.865	5105104	500	82082	1774	1132.239	6376.538	2008592	1	160000	-0.08334	0.3535	126	
RADON	500	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2443	2089.686	4323.865	5105104	500	82082	21991	1007.092	17620	22146953	0.01	1130000	0.30351	0.0001	2080	*
RADON	500	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
RADON	500	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	500	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2443	2089.686	4323.865	5105104	500	82082	3232	0.123963	0.198296	400.65	0.1	5.5	-0.01892	0.7352	322	
RADON	500	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2443	2089.686	4323.865	5105104	500	82082	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	3	
RADON	500	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
RADON	500	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	500	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2443	2089.686	4323.865	5105104	500	82082	6399	50.13064	681.1727	320786	0.02	24600	0.24192	0.0001	1020	*
RADON	500	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2443	2089.686	4323.865	5105104	500	82082	818	21.85697	53.28237	17879	1	590	1	#N/A	2	
RADON	500	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADON	500	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2443	2089.686	4323.865	5105104	500	82082	5663	8.003763	38.93465	45325	0.001	1600	-0.03878	0.5234	273	
RADON	500	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
RADON	500	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	500	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2443	2089.686	4323.865	5105104	500	82082	23214	0.037058	0.289409	860.264897	0.001	25	-0.00498	0.8216	2055	
RADON	500	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2443	2089.686	4323.865	5105104	500	82082	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	500	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	0	
RADON	500	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2443	2089.686	4323.865	5105104	500	82082	43861	7.122161	0.878663	312385	0.1	12.8	-0.22191	0.0001	2329	*
RADON	500	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2443	2089.686	4323.865	5105104	500	82082	99	1.289899	3.734492	127.7	0.1	31	0.29946	0.4006	10	
RADON	500	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2443	2089.686	4323.865	5105104	500	82082	154	1.227987	1.930945	189.11	0.02	14	-0.11713	0.5232	32	
RADON	500	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2443	2089.686	4323.865	5105104	500	82082	230	0.280176	0.551313	64.4405	0.009	6.14	-0.04368	0.7836	42	
RADON	500	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
RADON	500	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	500	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2443	2089.686	4323.865	5105104	500	82082	7865	55.57754	657.8106	437117	1	27000	-0.01747	0.5474	1188	
RADON	500	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2443	2089.686	4323.865	5105104	500	82082	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	2	
RADON	500	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	0	
RADON	500	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	[illegible]	89.686	4323.865	5105104	500	82082	26730	231.201	990.9965	6180003	0.03	37000	0.26947	[illegible]	2070	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
RADON	300	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3595	1545.43	3651.374	5555822	300	82082	141	56.54043	200.9786	7972.2	0.1	1300	0.00536	0.9636	75	
RADON	300	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
RADON	300	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	3595	1545.43	3651.374	5555822	300	82082	141	2844.557	18195	401083	0.1	210000	-0.02821	0.8101	75	
RADON	300	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	105993	257.8247	364.157	27327815	0.5	7106	#N/A	#N/A	0	
RADON	300	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	3595	1545.43	3651.374	5555822	300	82082	105993	257.8247	364.157	27327815	0.5	7106	0.01749	0.3211	3220	
RADON	500	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	500	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2443	2089.686	4323.865	5105104	500	82082	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2443	2089.686	4323.865	5105104	500	82082	2940	7.838537	29.93498	23045	1	200	-0.03508	0.3247	790	
RADON	500	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2443	2089.686	4323.865	5105104	500	82082	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	500	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
RADON	500	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
RADON	500	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2443	2089.686	4323.865	5105104	500	82082	9943	9.090013	72.56837	90382	1	3800	-0.0357	0.192	1337	
RADON	500	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2443	2089.686	4323.865	5105104	500	82082	1294	17.47862	94.81877	22617	1	1400	-0.21526	0.6087	8	
RADON	500	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2443	2089.686	4323.865	5105104	500	82082	8200	120.7616	269.9694	990245	1	10000	-0.09817	0.0015	1044	*
RADON	500	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2443	2089.686	4323.865	5105104	500	82082	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2443	2089.686	4323.865	5105104	500	82082	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2443	2089.686	4323.865	5105104	500	82082	6332	1.869	12.88026	11835	0.1	406	0.2883	0.0001	1014	*
RADON	500	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2443	2089.686	4323.865	5105104	500	82082	627	3.52998	5.18639	2213.3	0.5	25	-0.04704	0.053	4	
RADON	500	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
RADON	500	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4.484633	6.25633	5049.5	1	100	#N/A	#N/A	0	
RADON	500	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2443	2089.686	4323.865	5105104	500	82082	9321	7.570965	108.8909	70569	0.01	5675	0.27029	0.0001	1367	*
RADON	500	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2443	2089.686	4323.865	5105104	500	82082	1131	4.484633	6.25633	5049.5	1	100	0.1006	0.6912	18	
RADON	500	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2443	2089.686	4323.865	5105104	500	82082	9790	9.877542	276.7559	96701	0.02	27300	0.3347	0.0001	1359	*
RADON	500	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2443	2089.686	4323.865	5105104	500	82082	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2443	2089.686	4323.865	5105104	500	82082	1274	13.5	43.20096	17199	1	1100	1	#N/A	2	
RADON	500	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2443	2089.686	4323.865	5105104	500	82082	56711	1443.287	4687.848	81850239	1	249000	0.01714	0.4063	2350	
RADON	500	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADON	500	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
RADON	500	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2443	2089.686	4323.865	5105104	500	82082	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	16	
RADON	500	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2443	2089.686	4323.865	5105104	500	82082	1396	1.095165	12.00667	1528.85	0.01	280	-0.0377	0.5105	307	
RADON	500	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304366	43117092	0.02	41485000	#N/A	#N/A	0	
RADON	500	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2443	2089.686	4323.865	5105104	500	82082	18561	2322.994	304366	43117092	0.02	41485000	0.0017	0.961	830	
RADON	500	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
RADON	500	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2443	2089.686	4323.865	5105104	500	82082	21569	3.824813	7.578481	82497	0.1	545.4	0.06617	0.0051	1791	*

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3595	1545.43	3651.374	5555822	300	82082	2	620	678.6225	1240	140	1100	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3595	1545.43	3651.374	5555822	300	82082	2327	12508	62820	29106465	10	960000	-0.0834	0.3611	122	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3595	1545.43	3651.374	5555822	300	82082	22424	2358.813	28780	52894030	0.1	2180000	0.3715	0.0001	2961	*
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01047	IRON-FERROUS-P01047-(UG/L)	3595	1545.43	3651.374	5555822	300	82082	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3595	1545.43	3651.374	5555822	300	82082	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3595	1545.43	3651.374	5555822	300	82082	1774	1132.239	6376.538	2008592	1	160000	-0.08599	0.3142	139	
RADON	300	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3595	1545.43	3651.374	5555822	300	82082	21991	1007.092	17620	22146953	0.01	1130000	0.30518	0.0001	2960	*
RADON	300	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
RADON	300	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	300	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3595	1545.43	3651.374	5555822	300	82082	3232	0.123963	0.198296	400.65	0.1	5.5	-0.03498	0.481	408	
RADON	300	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3595	1545.43	3651.374	5555822	300	82082	1030	0.296816	0.435845	305.72	0.01	4.5	-0.76731	0.0749	6	
RADON	300	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	
RADON	300	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	300	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3595	1545.43	3651.374	5555822	300	82082	6399	50.13064	681.1727	320786	0.02	24600	0.24804	0.0001	1319	*
RADON	300	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3595	1545.43	3651.374	5555822	300	82082	818	21.85697	53.28237	17879	1	590	1	#N/A	2	
RADON	300	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5663	8.003763	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADON	300	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	3595	1545.43	3651.374	5555822	300	82082	5663	8.003763	38.93465	45325	0.001	1600	-0.03417	0.5038	385	
RADON	300	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
RADON	300	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	300	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3595	1545.43	3651.374	5555822	300	82082	23214	0.037058	0.289409	860.264897	0.001	25	-0.0015	0.9354	2935	
RADON	300	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3595	1545.43	3651.374	5555822	300	82082	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	300	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	0	
RADON	300	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3595	1545.43	3651.374	5555822	300	82082	43861	7.122161	0.878663	312385	0.1	12.8	-0.22019	0.0001	3425	*
RADON	300	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCi/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99	1.289899	3.734492	127.7	0.1	31	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCi/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCi/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	230	0.280176	0.551313	64.4405	0.009	6.14	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCi/L)	3595	1545.43	3651.374	5555822	300	82082	99	1.289899	3.734492	127.7	0.1	31	0.12766	0.6254	17	
RADON	300	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCi/L)	3595	1545.43	3651.374	5555822	300	82082	154	1.227987	1.930945	189.11	0.02	14	-0.10426	0.4402	57	
RADON	300	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCi/L)	3595	1545.43	3651.374	5555822	300	82082	230	0.280176	0.551313	64.4405	0.009	6.14	-0.05934	0.6205	72	
RADON	300	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
RADON	300	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	300	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3595	1545.43	3651.374	5555822	300	82082	7865	55.57754	657.8106	437117	1	27000	-0.0251	0.3138	1612	
RADON	300	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3595	1545.43	3651.374	5555822	300	82082	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	2	
RADON	300	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	0	
RADON	300	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	3595	1545.43	3651.374	5555822	300	82082	26730	231.201	990.9965	6180003	0.03	37000	0.26141	0.0001	3040	*
RADON	300	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
RADON	300	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADON	300	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3595	1545.43	3651.374	5555822	300	82082	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	110	
RADON	300	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3595	1545.43	3651.374	5555822	300	82082	350	4.434286	7.27558	1552	1	50	1	#N/A	2	
RADON	300	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
RADON	300	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00076	TURBIDITY-P00076-(NTU)	[illegible]	545.43	3651.374	5555822	300	82082	2359	23.36229	85.84469	55112	0.01	1000	-0.03322	[illegible]	458	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	300	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3595	1545.43	3651.374	5555822	300	82082	2642	204.9232	148.8865	541407	3	4500	-0.15137	0.7747	6	
RADON	300	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADON	300	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	300	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3595	1545.43	3651.374	5555822	300	82082	2940	7.838537	29.93498	23045	1	200	-0.03458	0.2622	1053	
RADON	300	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3595	1545.43	3651.374	5555822	300	82082	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	300	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9943	9.090013	72.56837	90382	1	3800	#N/A	#N/A	0	
RADON	300	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1294	17.47862	94.61877	22617	1	1400	#N/A	#N/A	0	
RADON	300	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	3595	1545.43	3651.374	5555822	300	82082	9943	9.090013	72.56837	90382	1	3800	-0.03022	0.1937	1852	
RADON	300	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3595	1545.43	3651.374	5555822	300	82082	1294	17.47862	94.61877	22617	1	1400	-0.04236	0.6907	13	
RADON	300	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8200	120.7616	269.9694	990245	1	10000	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3595	1545.43	3651.374	5555822	300	82082	8200	120.7616	269.9694	990245	1	10000	-0.08574	0.0016	1346	*
RADON	300	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3595	1545.43	3651.374	5555822	300	82082	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3595	1545.43	3651.374	5555822	300	82082	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	6332	1.869	12.88026	11835	0.1	406	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3595	1545.43	3651.374	5555822	300	82082	6332	1.869	12.88026	11835	0.1	406	0.29348	0.0001	1312	*
RADON	300	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3595	1545.43	3651.374	5555822	300	82082	627	3.52998	5.18639	2213.3	0.5	25	0.36842	0.3321	9	
RADON	300	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9321	7.570965	108.8909	70569	0.01	5675	#N/A	#N/A	0	
RADON	300	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1131	4.464633	6.25633	5049.5	1	100	#N/A	#N/A	0	
RADON	300	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3595	1545.43	3651.374	5555822	300	82082	9321	7.570965	108.8909	70569	0.01	5675	0.27461	0.0001	1835	*
RADON	300	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3595	1545.43	3651.374	5555822	300	82082	1131	4.464633	6.25633	5049.5	1	100	0.09445	0.7005	19	
RADON	300	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9790	9.877542	276.7559	96701	0.02	27300	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3595	1545.43	3651.374	5555822	300	82082	9790	9.877542	276.7559	96701	0.02	27300	0.33496	0.0001	1825	*
RADON	300	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3595	1545.43	3651.374	5555822	300	82082	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3595	1545.43	3651.374	5555822	300	82082	1274	13.5	43.20096	17199	1	1100	1	#N/A	2	
RADON	300	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	0	
RADON	300	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3595	1545.43	3651.374	5555822	300	82082	56711	1443.287	4687.848	81850239	1	249000	0.0146	0.3909	3457	
RADON	300	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADON	300	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
RADON	300	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3595	1545.43	3651.374	5555822	300	82082	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	16	
RADON	300	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	3595	1545.43	3651.374	5555822	300	82082	1396	1.095165	12.00667	1528.85	0.01	280	-0.02469	0.6117	425	
RADON	300	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
RADON	300	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3595	1545.43	3651.374	5555822	300	82082	18561	2322.994	304366	43117092	0.02	41465000	-0.01042	0.725	1142	
RADON	300	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21569	3.624813	7.578481	82497	0.1	545.4	#N/A	#N/A	0	
RADON	300	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3595	1545.43	3651.374	5555822	300	82082	21569	3.624813	7.578481	82497	0.1	545.4	0.06532	0.001	2549	*
RADON	300	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
RADON	300	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3595	1545.43	3651.374	5555822	300	82082	20725	1497.404	13499	31033701	6	319000	-0.01695	0.3756	2735	
RADON	300	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	0	
RADON	300	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCi/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3595	1545.43	3651.374	5555822	300	82082	25507	382.224	1096.769	9749388	1	28000	0.18491	0.0001	2980	*
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCi/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	60	139.8333	36.56856	8390	100	250	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	100	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	60	139.8333	36.56856	8390	100	250	1774	1132.239	6376.538	2008592	1	160000	-0.98974	0.0913	3	
RADON	100	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	60	139.8333	36.56856	8390	100	250	21991	1007.092	17620	22146953	0.01	1130000	0.21071	0.1461	49	
RADON	100	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4725	1224.45	3236.047	5785528	100	82082	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	100	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4725	1224.45	3236.047	5785528	100	82082	1774	1132.239	6376.538	2008592	1	160000	-0.10705	0.1779	160	
RADON	100	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4725	1224.45	3236.047	5785528	100	82082	21991	1007.092	17620	22146953	0.01	1130000	0.26868	0.0001	3945	*
RADON	100	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	60	139.8333	36.56856	8390	100	250	3232	0.123963	0.198296	400.65	0.1	5.5	-0.14204	0.518	23	
RADON	100	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	60	139.8333	36.56856	8390	100	250	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADON	100	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4725	1224.45	3236.047	5785528	100	82082	3232	0.123963	0.198296	400.65	0.1	5.5	-0.03689	0.4071	507	
RADON	100	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4725	1224.45	3236.047	5785528	100	82082	1030	0.296816	0.435845	305.72	0.01	4.5	-0.45067	0.2234	9	
RADON	100	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	60	139.8333	36.56856	8390	100	250	6399	50.13064	681.1727	320788	0.02	24600	0.16954	0.3229	36	
RADON	100	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	60	139.8333	36.56856	8390	100	250	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADON	100	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4725	1224.45	3236.047	5785528	100	82082	6399	50.13064	681.1727	320786	0.02	24600	0.19048	0.0001	1762	*
RADON	100	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4725	1224.45	3236.047	5785528	100	82082	818	21.85697	53.28237	17879	1	590	0.93445	0.2318	3	
RADON	100	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	60	139.8333	36.56856	8390	100	250	5663	8.003763	38.93465	45325	0.001	1600	-1	#N/A	2	
RADON	100	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4725	1224.45	3236.047	5785528	100	82082	5663	8.003763	38.93465	45325	0.001	1600	-0.01476	0.7338	533	
RADON	100	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	60	139.8333	36.56856	8390	100	250	23214	0.037058	0.289409	860.264897	0.001	25	0.17445	0.3396	32	
RADON	100	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	60	139.8333	36.56856	8390	100	250	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	100	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4725	1224.45	3236.047	5785528	100	82082	23214	0.037058	0.289409	860.264897	0.001	25	0.00357	0.8237	3900	
RADON	100	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4725	1224.45	3236.047	5785528	100	82082	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	100	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	60	139.8333	36.56856	8390	100	250	43861	7.122161	0.878663	312385	0.1	12.6	0.00365	0.9781	59	
RADON	100	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4725	1224.45	3236.047	5785528	100	82082	43861	7.122161	0.878663	312385	0.1	12.6	-0.19483	0.0001	4514	*
RADON	100	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	60	139.8333	36.56856	8390	100	250	99	1.289899	3.734492	127.7	0.1	31	0.40964	0.7313	3	
RADON	100	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	60	139.8333	36.56856	8390	100	250	154	1.227987	1.930945	189.11	0.02	14	#N/A	#N/A	1	
RADON	100	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	60	139.8333	36.56856	8390	100	250	230	0.280176	0.551313	64.4405	0.009	6.14	-0.83274	0.1673	4	
RADON	100	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4725	1224.45	3236.047	5785528	100	82082	99	1.289899	3.734492	127.7	0.1	31	-0.11493	0.4686	42	
RADON	100	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4725	1224.45	3236.047	5785528	100	82082	154	1.227987	1.930945	189.11	0.02	14	-0.07735	0.449	98	
RADON	100	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4725	1224.45	3236.047	5785528	100	82082	230	0.280176	0.551313	64.4405	0.009	6.14	-0.06018	0.4848	137	
RADON	100	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	60	139.8333	36.56856	8390	100	250	7865	55.57754	657.8106	437117	1	27000	-0.08332	0.629	36	
RADON	100	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	60	139.8333	36.56856	8390	100	250	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADON	100	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4725	1224.45	3236.047	5785528	100	82082	7865	55.57754	657.8106	437117	1	27000	-0.02244	0.3031	2107	
RADON	100	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4725	1224.45	3236.047	5785528	100	82082	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	3	
RADON	100	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	60	139.8333	36.56856	8390	100	250	26730	231.201	990.9965	6180003	0.03	37000	0.17715	0.2184	50	
RADON	100	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	4725	1224.45	3236.047	5785528	100	82082	26730	231.201	990.9965	6180003	0.03	37000	0.22443	0.0001	4048	*
RADON	100	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	60	139.8333	36.56856	8390	100	250	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	2	
RADON	100	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	60	139.8333	36.56856	8390	100	250	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADON	100	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4725	1224.45	3236.047	5785528	100	82082	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	120	
RADON	100	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4725	1224.45	3236.047	5785528	100	82082	350	4.434286	7.27558	1552	1	50	0.95047	0.2012	3	
RADON	100	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	60	139.8333	36.56856	8390	100	250	2359	23.36229	85.84469	55112	0.01	1000	0.98477	0.0152	4	*
RADON	100	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	4725	1224.45	3236.047	5785528	100	82082	2359	23.36229	85.84469	55112	0.01	1000	-0.0241	0.5069	701	
RADON	100	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	60	139.8333	36.56856	8390	100	250	141	56.54043	200.9786	7972.2	0.1	1300	-0.19984	0.4752	15	
RADON	100	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4725	1224.45	3236.047	5785528	100	82082	141	56.54043	200.9786	7972.2	0.1	1300	0.04521	0.6568	99	
RADON	100	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	60	139.8333	36.56856	8390	100	250	141	2844.557	18196	401083	0.1	210000	-0.20165	0.4711	15	
RADON	100	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4725	1224.45	3236.047	5785528	100	82082	141	2844.557	18195	401083	0.1	210000	-0.00469	0.9633	99	
RADON	100	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	60	139.8333	36.56856	8390	100	250	105993	257.8247	364.157	27327615	0.5	7106	0.26426	0.0794	45	
RADON	100	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	[illegible]	24.45	3236.047	5785528	100	82082	105993	257.8247	364.157	27327615	0.5	7106	-0.00445	[illegible]	4225	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	60	139.8333	36.56856	8390	100	250	9943	9.090013	72.56837	90382	1	3800	-0.00273	0.9872	37	
RADON	100	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	60	139.8333	36.56856	8390	100	250	1294	17.47862	94.81877	22617	1	1400	#N/A	#N/A	0	
RADON	100	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	4725	1224.45	3236.047	5785528	100	82082	9943	9.090013	72.56837	90382	1	3800	-0.02497	0.2185	2430	
RADON	100	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4725	1224.45	3236.047	5785528	100	82082	1294	17.47862	94.81877	22617	1	1400	0.05712	0.7957	23	
RADON	100	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	60	139.8333	36.56856	8390	100	250	8200	120.7616	269.9694	990245	1	10000	-0.16938	0.3233	36	
RADON	100	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	60	139.8333	36.56856	8390	100	250	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	60	139.8333	36.56856	8390	100	250	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4725	1224.45	3236.047	5785528	100	82082	8200	120.7616	269.9694	990245	1	10000	-0.08325	0.0004	1794	*
RADON	100	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	4725	1224.45	3236.047	5785528	100	82082	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4725	1224.45	3236.047	5785528	100	82082	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	100	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	60	139.8333	36.56856	8390	100	250	6332	1.869	12.88026	11835	0.1	406	0.24084	0.1571	36	
RADON	100	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	60	139.8333	36.56856	8390	100	250	627	3.52998	5.18639	2213.3	0.5	25	#N/A	#N/A	0	
RADON	100	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4725	1224.45	3236.047	5785528	100	82082	6332	1.869	12.88026	11835	0.1	406	0.26644	0.0001	1755	*
RADON	100	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4725	1224.45	3236.047	5785528	100	82082	627	3.52998	5.18639	2213.3	0.5	25	0.32409	0.2044	17	
RADON	100	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	60	139.8333	36.56856	8390	100	250	9321	7.570965	108.8909	70569	0.01	5675	0.22465	0.1691	39	
RADON	100	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	60	139.8333	36.56856	8390	100	250	1131	4.464833	6.25633	5049.5	1	100	#N/A	#N/A	1	
RADON	100	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4725	1224.45	3236.047	5785528	100	82082	9321	7.570965	108.8909	70569	0.01	5675	0.23727	0.0001	2407	*
RADON	100	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4725	1224.45	3236.047	5785528	100	82082	1131	4.464833	6.25633	5049.5	1	100	0.08792	0.676	25	
RADON	100	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	60	139.8333	36.56856	8390	100	250	9790	9.877542	276.7559	96701	0.02	27300	0.25291	0.1203	39	
RADON	100	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	60	139.8333	36.56856	8390	100	250	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	60	139.8333	36.56856	8390	100	250	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4725	1224.45	3236.047	5785528	100	82082	9790	9.877542	276.7559	96701	0.02	27300	0.33221	0.0001	2394	*
RADON	100	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4725	1224.45	3236.047	5785528	100	82082	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	3	
RADON	100	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4725	1224.45	3236.047	5785528	100	82082	1274	13.5	43.20096	17199	1	1100	0.85809	0.3433	3	
RADON	100	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	60	139.8333	36.56856	8390	100	250	56711	1443.287	4687.848	81850239	1	249000	0.06851	0.6061	59	
RADON	100	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4725	1224.45	3236.047	5785528	100	82082	56711	1443.287	4687.848	81850239	1	249000	0.01641	0.2685	4549	
RADON	100	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	60	139.8333	36.56856	8390	100	250	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADON	100	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	60	139.8333	36.56856	8390	100	250	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	5	
RADON	100	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4725	1224.45	3236.047	5785528	100	82082	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	17	
RADON	100	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	4725	1224.45	3236.047	5785528	100	82082	1396	1.095165	12.00667	1528.85	0.01	280	-0.01879	0.6739	504	
RADON	100	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	60	139.8333	36.56856	8390	100	250	18561	2322.994	304366	43117092	0.02	41465000	0.46757	0.1071	13	
RADON	100	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4725	1224.45	3236.047	5785528	100	82082	18561	2322.994	304366	43117092	0.02	41465000	-0.00868	0.7366	1502	
RADON	100	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	60	139.8333	36.56856	8390	100	250	21569	3.824813	7.578481	82497	0.1	545.4	0.00287	0.9844	49	
RADON	100	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4725	1224.45	3236.047	5785528	100	82082	21569	3.824813	7.578481	82497	0.1	545.4	0.07551	0.0001	3375	*
RADON	100	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	60	139.8333	36.56856	8390	100	250	20725	1497.404	13499	31033701	6	319000	-0.0156	0.9229	41	
RADON	100	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4725	1224.45	3236.047	5785528	100	82082	20725	1497.404	13499	31033701	6	319000	-0.02	0.228	3634	
RADON	100	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	60	139.8333	36.56856	8390	100	250	25507	382.224	1096.769	9749388	1	28000	0.15713	0.2758	50	
RADON	100	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4725	1224.45	3236.047	5785528	100	82082	25507	382.224	1096.769	9749388	1	28000	0.15574	0.0001	3978	*
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	60	139.8333	36.56856	8390	100	250	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	60	139.8333	36.56856	8390	100	250	2327	12508	62820	29106465	10	960000	-1	#N/A	2	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	60	139.8333	36.56856	8390	100	250	22424	2358.813	28780	52894030	0.1	2180000	0.26023	0.0709	49	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	60	139.8333	36.56856	8390	100	250	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4725	1224.45	3236.047	5785528	100	82082	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4725	1224.45	3236.047	5785528	100	82082	2327	12508	62820	29106465	10	960000	-0.06982	0.4158	138	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4725	1224.45	3236.047	5785528	100	82082	22424	2358.813	28780	52894030	0.1	2180000	0.15775	0.0001	3947	*
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	4725	1224.45	3236.047	5785528	100	82082	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	

Appendix E-threshold. National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4995	1162.253	3158.094	5805454	7	82082	22424	2358.813	28780	52894030	0.1	2180000	0.10542	0.0001	4194	*
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	4995	1162.253	3158.094	5805454	7	82082	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4914	32.0677	18.5323	157581	7	250	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4914	32.0677	18.5323	157581	7	250	1774	1132.239	6376.538	2008592	1	160000	-0.16319	0.0425	155	*
RADON	0	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4914	32.0677	18.5323	157581	7	250	21991	1007.092	17620	22146953	0.01	1130000	0.16923	0.0001	4152	*
RADON	0	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4995	1162.253	3158.094	5805454	7	82082	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4995	1162.253	3158.094	5805454	7	82082	1774	1132.239	6376.538	2008592	1	160000	-0.11144	0.1554	164	
RADON	0	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4995	1162.253	3158.094	5805454	7	82082	21991	1007.092	17620	22146953	0.01	1130000	0.2281	0.0001	4192	*
RADON	0	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4914	32.0677	18.5323	157581	7	250	3232	0.123963	0.198296	400.65	0.1	5.5	-0.06196	0.1579	521	
RADON	0	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4914	32.0677	18.5323	157581	7	250	1030	0.296816	0.435845	305.72	0.01	4.5	0.02974	0.9395	9	
RADON	0	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4995	1162.253	3158.094	5805454	7	82082	3232	0.123963	0.198296	400.65	0.1	5.5	-0.0354	0.4187	524	
RADON	0	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4995	1162.253	3158.094	5805454	7	82082	1030	0.296816	0.435845	305.72	0.01	4.5	-0.45067	0.2234	9	
RADON	0	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4914	32.0677	18.5323	157581	7	250	6399	50.13064	681.1727	320766	0.02	24600	0.14578	0.0001	1838	*
RADON	0	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4914	32.0677	18.5323	157581	7	250	818	21.85697	53.28237	17879	1	590	0.93336	0.2337	3	
RADON	0	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4995	1162.253	3158.094	5805454	7	82082	6399	50.13064	681.1727	320766	0.02	24600	0.15019	0.0001	1879	*
RADON	0	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4995	1162.253	3158.094	5805454	7	82082	818	21.85697	53.28237	17879	1	590	0.93445	0.2316	3	
RADON	0	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4914	32.0677	18.5323	157581	7	250	5663	8.003763	38.93465	45325	0.001	1600	0.00753	0.8645	516	
RADON	0	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4995	1162.253	3158.094	5805454	7	82082	5663	8.003763	38.93465	45325	0.001	1600	-0.00905	0.8318	554	
RADON	0	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4914	32.0677	18.5323	157581	7	250	23214	0.037058	0.289409	860.264897	0.001	25	0.04569	0.0033	4131	*
RADON	0	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4914	32.0677	18.5323	157581	7	250	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	0	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4995	1162.253	3158.094	5805454	7	82082	23214	0.037058	0.289409	860.264897	0.001	25	0.00498	0.749	4135	
RADON	0	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4995	1162.253	3158.094	5805454	7	82082	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADON	0	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4914	32.0677	18.5323	157581	7	250	43861	7.122161	0.878663	312385	0.1	12.8	-0.2121	0.0001	4733	*
RADON	0	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4995	1162.253	3158.094	5805454	7	82082	43861	7.122161	0.878663	312385	0.1	12.8	-0.19188	0.0001	4773	*
RADON	0	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4914	32.0677	18.5323	157581	7	250	7865	55.57754	657.8106	437117	1	27000	-0.02341	0.2711	2212	
RADON	0	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4914	32.0677	18.5323	157581	7	250	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	3	
RADON	0	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4995	1162.253	3158.094	5805454	7	82082	7865	55.57754	657.8106	437117	1	27000	-0.01949	0.355	2255	
RADON	0	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4995	1162.253	3158.094	5805454	7	82082	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	3	
RADON	0	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4914	32.0677	18.5323	157581	7	250	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	123	
RADON	0	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4914	32.0677	18.5323	157581	7	250	350	4.434286	7.27558	1552	1	50	0.90113	0.2855	3	
RADON	0	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4995	1162.253	3158.094	5805454	7	82082	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	123	
RADON	0	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4995	1162.253	3158.094	5805454	7	82082	350	4.434286	7.27558	1552	1	50	0.95047	0.2012	3	
RADON	0	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	4914	32.0677	18.5323	157581	7	250	2359	23.36229	85.84469	55112	0.01	1000	-0.04757	0.17	834	
RADON	0	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	4995	1162.253	3158.094	5805454	7	82082	2359	23.36229	85.84469	55112	0.01	1000	-0.02757	0.427	832	
RADON	0	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4914	32.0677	18.5323	157581	7	250	141	56.54043	200.9786	7972.2	0.1	1300	0.1315	0.1709	110	
RADON	0	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4995	1162.253	3158.094	5805454	7	82082	141	56.54043	200.9786	7972.2	0.1	1300	0.05213	0.5869	111	
RADON	0	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4914	32.0677	18.5323	157581	7	250	141	2844.557	18195	401083	0.1	210000	0.0387	0.6882	110	
RADON	0	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4995	1162.253	3158.094	5805454	7	82082	141	2844.557	18195	401083	0.1	210000	0.00144	0.988	111	
RADON	0	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	4914	32.0677	18.5323	157581	7	250	105993	257.8247	364.157	27327615	0.5	7106	-0.03829	0.0114	4368	*
RADON	0	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	4995	1162.253	3158.094	5805454	7	82082	105993	257.8247	364.157	27327615	0.5	7106	-0.01887	0.2086	4444	
RADON	100	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	60	139.8333	36.56856	8390	100	250	2642	204.9232	148.8865	541407	3	4500	#N/A	#N/A	0	
RADON	100	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4725	1224.45	3236.047	5785528	100	82082	2642	204.9232	148.8865	541407	3	4500	0.07538	0.836	10	
RADON	100	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	60	139.8333	36.56856	8390	100	250	2940	7.638537	29.93498	23045	1	200	#N/A	#N/A	12	
RADON	100	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	60	139.8333	36.56856	8390	100	250	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	100	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4725	1224.45	3236.047	5785528	100	82082	2940	7.638537	29.93498	23045	1	200	-0.02637	0.3177	1437	
RADON	100	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	[illegible]	224.45	3236.047	5785528	100	82082	482	28.07158	61.3558	13531	1	200	#N/A	[illegible]	0	

Appendix E-threshold National correlation analysis. Correlatio[illegible]ts and summary statistics by threshold level (ground water)

VTAG	VTHREG	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4914	32.0677	18.5323	157581	7	250	2642	204.9232	148.8865	541407	3	4500	0.40487	0.2458	10	
RADON	0	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4995	1162.253	3158.094	5805454	7	82082	2642	204.9232	148.8865	541407	3	4500	0.07538	0.836	10	
RADON	0	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4914	32.0677	18.5323	157581	7	250	2940	7.838537	29.93498	23045	1	200	-0.00949	0.7144	1490	
RADON	0	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4914	32.0677	18.5323	157581	7	250	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	0	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4995	1162.253	3158.094	5805454	7	82082	2940	7.838537	29.93498	23045	1	200	-0.02483	0.3328	1523	
RADON	0	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4995	1162.253	3158.094	5805454	7	82082	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4914	32.0677	18.5323	157581	7	250	8200	120.7616	269.9694	990245	1	10000	-0.09858	0.0001	1871	*
RADON	0	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4914	32.0677	18.5323	157581	7	250	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4914	32.0677	18.5323	157581	7	250	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4995	1162.253	3158.094	5805454	7	82082	8200	120.7616	269.9694	990245	1	10000	-0.08046	0.0004	1912	*
RADON	0	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4995	1162.253	3158.094	5805454	7	82082	2	100	0	200	100	100	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4995	1162.253	3158.094	5805454	7	82082	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADON	0	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4914	32.0677	18.5323	157581	7	250	6332	1.869	12.88026	11835	0.1	406	0.18658	0.0001	1832	*
RADON	0	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4914	32.0677	18.5323	157581	7	250	627	3.52998	5.18639	2213.3	0.5	25	0.78736	0.0003	17	*
RADON	0	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4995	1162.253	3158.094	5805454	7	82082	6332	1.869	12.88026	11835	0.1	406	0.22925	0.0001	1872	*
RADON	0	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4995	1162.253	3158.094	5805454	7	82082	627	3.52998	5.18639	2213.3	0.5	25	0.32409	0.2044	17	
RADON	0	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4914	32.0677	18.5323	157581	7	250	9321	7.570965	108.8909	70569	0.01	5675	0.17663	0.0001	2531	*
RADON	0	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4914	32.0677	18.5323	157581	7	250	1131	4.484633	6.25633	5049.5	1	100	0.06556	0.7503	26	
RADON	0	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4995	1162.253	3158.094	5805454	7	82082	9321	7.570965	108.8909	70569	0.01	5675	0.21251	0.0001	2574	*
RADON	0	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4995	1162.253	3158.094	5805454	7	82082	1131	4.484633	6.25633	5049.5	1	100	0.08372	0.6843	26	
RADON	0	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4914	32.0677	18.5323	157581	7	250	9790	9.877542	276.7559	96701	0.02	27300	0.23412	0.0001	2518	*
RADON	0	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4914	32.0677	18.5323	157581	7	250	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	3	
RADON	0	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4914	32.0677	18.5323	157581	7	250	1274	13.5	43.20096	17199	1	1100	0.85651	0.3453	3	
RADON	0	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4995	1162.253	3158.094	5805454	7	82082	9790	9.877542	276.7559	96701	0.02	27300	0.28438	0.0001	2561	*
RADON	0	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4995	1162.253	3158.094	5805454	7	82082	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	3	
RADON	0	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4995	1162.253	3158.094	5805454	7	82082	1274	13.5	43.20096	17199	1	1100	0.85809	0.3433	3	
RADON	0	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4914	32.0677	18.5323	157581	7	250	56711	1443.287	4687.848	81850239	1	249000	0.0007	0.9612	4771	
RADON	0	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4995	1162.253	3158.094	5805454	7	82082	56711	1443.287	4687.848	81850239	1	249000	0.01696	0.2395	4811	
RADON	0	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4914	32.0677	18.5323	157581	7	250	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	17	
RADON	0	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4914	32.0677	18.5323	157581	7	250	1396	1.095165	12.00667	1528.85	0.01	280	0.00502	0.908	533	
RADON	0	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4995	1162.253	3158.094	5805454	7	82082	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	17	
RADON	0	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4995	1162.253	3158.094	5805454	7	82082	1396	1.095165	12.00667	1528.85	0.01	280	-0.01673	0.6994	535	
RADON	0	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4914	32.0677	18.5323	157581	7	250	18561	2322.994	304366	43117092	0.02	41465000	-0.02202	0.387	1546	
RADON	0	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4995	1162.253	3158.094	5805454	7	82082	18561	2322.994	304366	43117092	0.02	41465000	-0.00861	0.7327	1574	
RADON	0	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4914	32.0677	18.5323	157581	7	250	21569	3.824813	7.578481	82497	0.1	545.4	0.10392	0.0001	3542	*
RADON	0	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4995	1162.253	3158.094	5805454	7	82082	21569	3.824813	7.578481	82497	0.1	545.4	0.07587	0.0001	3573	*
RADON	0	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4914	32.0677	18.5323	157581	7	250	20725	1497.404	13499	31033701	6	319000	-0.0328	0.0425	3826	*
RADON	0	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4995	1162.253	3158.094	5805454	7	82082	20725	1497.404	13499	31033701	6	319000	-0.02111	0.1897	3862	
RADON	0	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4914	32.0677	18.5323	157581	7	250	25507	382.224	1096.769	9749388	1	28000	0.07451	0.0001	4175	*
RADON	0	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4995	1162.253	3158.094	5805454	7	82082	25507	382.224	1096.769	9749388	1	28000	0.14193	0.0001	4224	*
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4914	32.0677	18.5323	157581	7	250	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4914	32.0677	18.5323	157581	7	250	2327	12508	62820	29106465	10	960000	-0.07149	0.4153	132	
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4914	32.0677	18.5323	157581	7	250	22424	2358.813	28780	52894030	0.1	2180000	0.08828	0.0001	4153	*
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	4914	32.0677	18.5323	157581	7	250	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4995	1162.253	3158.094	5805454	7	82082	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4995	1162.253	3158.094	5805454	7	82082	2327	12508	62820	29106465	10	960000	-0.06698	0.43	141	

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	6.14	#N/A	6.14	6.14	6.14	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	7	11.51429	9.267223	80.6	4	31	5663	8.003783	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	11	6.309091	3.428835	69.4	4	14	5663	8.003783	38.93465	45325	0.001	1600	-0.51168	0.658	3	
RADIUM-226	4	NITRATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	6.14	#N/A	6.14	6.14	6.14	5663	8.003783	38.93465	45325	0.001	1600	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	7	11.51429	9.267223	80.6	4	31	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	2	
RADIUM-226	4	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	7	11.51429	9.267223	80.6	4	31	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	11	6.309091	3.428835	69.4	4	14	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	10	
RADIUM-226	4	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	11	6.309091	3.428835	69.4	4	14	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	6.14	#N/A	6.14	6.14	6.14	23214	0.037058	0.289409	860.264897	0.001	25	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	6.14	#N/A	6.14	6.14	6.14	835	0.031742	0.183455	26.504833	0.001	5	#N/A	#N/A	0	
RADIUM-226	4	PH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7	11.51429	9.267223	80.6	4	31	43861	7.122161	0.878663	312385	0.1	12.8	-0.17091	0.7141	7	
RADIUM-226	4	PH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	11	6.309091	3.428835	69.4	4	14	43861	7.122161	0.878663	312385	0.1	12.8	0.38464	0.2428	11	
RADIUM-226	4	PH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	6.14	#N/A	6.14	6.14	6.14	43861	7.122161	0.878663	312385	0.1	12.8	#N/A	#N/A	1	
RADIUM-226	4	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	7	11.51429	9.267223	80.6	4	31	4914	32.0677	18.5323	157581	7	250	-0.47006	0.3468	6	
RADIUM-226	4	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	7	11.51429	9.267223	80.6	4	31	4995	1162.253	3158.094	5805454	7	82082	-0.26622	0.6101	6	
RADIUM-226	4	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	11	6.309091	3.428835	69.4	4	14	4914	32.0677	18.5323	157581	7	250	-0.07842	0.8338	10	
RADIUM-226	4	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	11	6.309091	3.428835	69.4	4	14	4995	1162.253	3158.094	5805454	7	82082	-0.4996	0.1415	10	
RADIUM-226	4	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	1	6.14	#N/A	6.14	6.14	6.14	4914	32.0677	18.5323	157581	7	250	#N/A	#N/A	1	
RADIUM-226	4	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	6.14	#N/A	6.14	6.14	6.14	4995	1162.253	3158.094	5805454	7	82082	#N/A	#N/A	1	
RADIUM-226	4	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	7	11.51429	9.267223	80.6	4	31	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	1	
RADIUM-226	4	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	7	11.51429	9.267223	80.6	4	31	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	11	6.309091	3.428835	69.4	4	14	7865	55.57754	657.8106	437117	1	27000	1	#N/A	2	
RADIUM-226	4	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	11	6.309091	3.428835	69.4	4	14	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	6.14	#N/A	6.14	6.14	6.14	7865	55.57754	657.8106	437117	1	27000	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	6.14	#N/A	6.14	6.14	6.14	961	2.578564	3.089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	7	11.51429	9.267223	80.6	4	31	26730	231.201	990.9965	6180003	0.03	37000	-0.30549	0.5052	7	
RADIUM-226	4	SULFATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	11	6.309091	3.428835	69.4	4	14	26730	231.201	990.9965	6180003	0.03	37000	0.74088	0.0091	11	*
RADIUM-226	4	SULFATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	6.14	#N/A	6.14	6.14	6.14	26730	231.201	990.9965	6180003	0.03	37000	#N/A	#N/A	1	
RADIUM-226	4	THALLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7	11.51429	9.267223	80.6	4	31	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	1	
RADIUM-226	4	THALLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7	11.51429	9.267223	80.6	4	31	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	11	6.309091	3.428835	69.4	4	14	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	1	
RADIUM-226	4	THALLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	11	6.309091	3.428835	69.4	4	14	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	6.14	#N/A	6.14	6.14	6.14	848	9.369458	17.94903	7945.3	0.5	102	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	6.14	#N/A	6.14	6.14	6.14	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	7	11.51429	9.267223	80.6	4	31	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	11	6.309091	3.428835	69.4	4	14	2359	23.36229	85.84469	55112	0.01	1000	-0.19347	0.6179	9	
RADIUM-226	4	TURBIDITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	1	6.14	#N/A	6.14	6.14	6.14	2359	23.36229	85.84469	55112	0.01	1000	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-235	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	7	11.51429	9.267223	80.6	4	31	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-235	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	11	6.309091	3.428835	69.4	4	14	141	56.54043	200.9786	7972.2	0.1	1300	0.42314	0.7219	3	
RADIUM-226	4	URANIUM-235	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	6.14	#N/A	6.14	6.14	6.14	141	56.54043	200.9786	7972.2	0.1	1300	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-238	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	7	11.51429	9.267223	80.6	4	31	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-238	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	11	6.309091	3.428835	69.4	4	14	141	2844.557	18195	401083	0.1	210000	0.63235	0.5642	3	
RADIUM-226	4	URANIUM-238	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	6.14	#N/A	6.14	6.14	6.14	141	2844.557	18195	401083	0.1	210000	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	7	11.51429	9.267223	80.6	4	31	105993	257.8247	364.157	27327615	0.5	7106	-0.01966	0.9666	7	
RADIUM-226	4	WELL-DEPTH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	11	6.309091	3.428835	69.4	4	14	105993	257.8247	364.157	27327615	0.5	7106	0.79139	0.0064	10	*
RADIUM-226	4	WELL-DEPTH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1	6.14	#N/A	6.14	6.14	6.14	105993	257.8247	364.157	27327615	0.5	7106	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	6.14	#N/A	6.14	6.14	6.14	565	0.650733	3.513117	367.664	0.001	20	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	6.14	#N/A	6.14	6.14	6.14	1396	1.095165	12.00667	1528.85	0.01	280	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7	11.51429	9.267223	80.6	4	31	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	11	6.309091	3.428835	69.4	4	14	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	1	
RADIUM-226	4	DEPTH-BELOW-LAN	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	6.14	#N/A	6.14	6.14	6.14	18561	2322.994	304366	43117092	0.02	41465000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7	11.51429	9.267223	80.6	4	31	21569	3.824813	7.578481	82497	0.1	545.4	0.53594	0.215	7	
RADIUM-226	4	DISSOLVED-OXYGE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	11	6.309091	3.428835	69.4	4	14	21569	3.824813	7.578481	82497	0.1	545.4	-0.76254	0.0169	9	*
RADIUM-226	4	DISSOLVED-OXYGE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	6.14	#N/A	6.14	6.14	6.14	21569	3.824813	7.578481	82497	0.1	545.4	#N/A	#N/A	1	
RADIUM-226	4	DISSOLVED-SOLID	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7	11.51429	9.267223	80.6	4	31	20725	1497.404	13499	31033701	6	319000	0.35934	0.6407	4	
RADIUM-226	4	DISSOLVED-SOLID	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	11	6.309091	3.428835	69.4	4	14	20725	1497.404	13499	31033701	6	319000	1	#N/A	2	
RADIUM-226	4	DISSOLVED-SOLID	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	6.14	#N/A	6.14	6.14	6.14	20725	1497.404	13499	31033701	6	319000	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	7	11.51429	9.267223	80.6	4	31	25507	382.224	1096.769	9749388	1	28000	-0.05111	0.9133	7	
RADIUM-226	4	HARDNESS	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	11	6.309091	3.428835	69.4	4	14	25507	382.224	1096.769	9749388	1	28000	0.72478	0.0116	11	*
RADIUM-226	4	HARDNESS	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	6.14	#N/A	6.14	6.14	6.14	25507	382.224	1096.769	9749388	1	28000	#N/A	#N/A	1	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	7	11.51429	9.267223	80.6	4	31	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	7	11.51429	9.267223	80.6	4	31	2327	12508	62820	29106465	10	960000	-0.37852	0.6215	4	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	7	11.51429	9.267223	80.6	4	31	22424	2358.813	28780	52894030	0.1	2180000	-0.17162	0.7129	7	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	7	11.51429	9.267223	80.6	4	31	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	11	6.309091	3.428835	69.4	4	14	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	11	6.309091	3.428835	69.4	4	14	2327	12508	62820	29106465	10	960000	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	11	6.309091	3.428835	69.4	4	14	22424	2358.813	28780	52894030	0.1	2180000	-0.17296	0.6111	11	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	11	6.309091	3.428835	69.4	4	14	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	6.14	#N/A	6.14	6.14	6.14	2	620	678.8225	1240	140	1100	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	6.14	#N/A	6.14	6.14	6.14	2327	12508	62820	29106465	10	960000	#N/A	#N/A	1	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	6.14	#N/A	6.14	6.14	6.14	22424	2358.813	28780	52894030	0.1	2180000	#N/A	#N/A	1	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	1	6.14	#N/A	6.14	6.14	6.14	195	55634	131042	10848720	0.01	864000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	7	11.51429	9.26722	80.6	4	31	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	7	11.51429	9.26722	80.6	4	31	1774	1132.239	6376.538	2008592	1	160000	0.95841	0.0416	4	*
RADIUM-226	4	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	7	11.51429	9.26722	80.6	4	31	21991	1007.092	17620	22146953	0.01	1130000	0.90844	0.0049	7	*
RADIUM-226	4	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	11	6.30909	3.42883	69.4	4	14	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	11	6.30909	3.42883	69.4	4	14	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
RADIUM-226	4	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	11	6.30909	3.42883	69.4	4	14	21991	1007.092	17620	22146953	0.01	1130000	0.09998	0.7699	11	
RADIUM-226	4	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	6.14	#N/A	6.14	6.14	6.14	7	9.28571	20.16362	65	1	55	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	6.14	#N/A	6.14	6.14	6.14	1774	1132.239	6376.538	2008592	1	160000	#N/A	#N/A	1	
RADIUM-226	4	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	6.14	#N/A	6.14	6.14	6.14	21991	1007.092	17620	22146953	0.01	1130000	#N/A	#N/A	1	
RADIUM-226	4	MERCURY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	7	11.51429	9.267223	80.6	4	31	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	1	
RADIUM-226	4	MERCURY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	7	11.51429	9.267223	80.6	4	31	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	11	6.309091	3.428835	69.4	4	14	3232	0.123963	0.198296	400.65	0.1	5.5	0.94093	0.0051	6	*
RADIUM-226	4	MERCURY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	11	6.309091	3.428835	69.4	4	14	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	1	
RADIUM-226	4	MERCURY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	6.14	#N/A	6.14	6.14	6.14	3232	0.123963	0.198296	400.65	0.1	5.5	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	6.14	#N/A	6.14	6.14	6.14	1030	0.296816	0.435845	305.72	0.01	4.5	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	7	11.51429	9.267223	80.6	4	31	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	1	
RADIUM-226	4	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	7	11.51429	9.267223	80.6	4	31	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	11	6.309091	3.428835	69.4	4	14	6399	50.13064	681.1727	320786	0.02	24600	0.75295	0.0075	11	*
RADIUM-226	4	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	11	6.309091	3.428835	69.4	4	14	818	21.85697	53.28237	17879	1	590	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	6.14	#N/A	6.14	6.14	6.14	6399	50.13064	681.1727	320786	0.02	24600	#N/A	#N/A	0	

Appendix E-threshold National correlation analysis Correlation [redacted] and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	18	5 222222	2 986352	94	3.1	14	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	15	
RADIUM-226	3	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	18	5 222222	2 986352	94	3 1	14	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	6 14	#N/A	6 14	6 14	6 14	23214	0 037058	0 289409	860 264897	0 001	25	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	6 14	#N/A	6.14	6 14	6 14	835	0 031742	0 183455	26 504833	0 001	5	#N/A	#N/A	0	
RADIUM-226	3	PH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	11	8 627273	8 22169	94 9	3 3	31	43861	7 122161	0 878663	312385	0 1	12 8	-0 41118	0 209	11	
RADIUM-226	3	PH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	18	5 222222	2 986352	94	3 1	14	43861	7 122161	0.878663	312385	0 1	12 8	0 25764	0 302	18	
RADIUM-226	3	PH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	6.14	#N/A	6 14	6.14	6 14	43861	7.122161	0.878663	312385	0 1	12 8	#N/A	#N/A	1	
RADIUM-226	3	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	11	8 627273	8 22169	94 9	3 3	31	4914	32 0677	18 5323	157581	7	250	-0 35525	0 3138	10	
RADIUM-226	3	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	11	8 627273	8 22169	94 9	3.3	31	4995	1162 253	3158 094	5805454	7	82082	-0 04946	0 8921	10	
RADIUM-226	3	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	18	5 222222	2 986352	94	3.1	14	4914	32 0677	18 5323	157581	7	250	0 09487	0.7267	16	
RADIUM-226	3	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	18	5 222222	2 986352	94	3 1	14	4995	1162 253	3158 094	5805454	7	82082	-0 18317	0 4971	16	
RADIUM-226	3	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	1	6 14	#N/A	6 14	6 14	6 14	4914	32 0677	18 5323	157581	7	250	#N/A	#N/A	1	
RADIUM-226	3	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	6 14	#N/A	6 14	6.14	6 14	4995	1162 253	3158 094	5805454	7	82082	#N/A	#N/A	1	
RADIUM-226	3	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	11	8 627273	8 22169	94 9	3 3	31	7865	55 57754	657 8106	437117	1	27000	#N/A	#N/A	1	
RADIUM-226	3	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	11	8 627273	8 22169	94 9	3 3	31	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	18	5 222222	2 986352	94	3.1	14	7865	55 57754	657.8106	437117	1	27000	0 99868	0 0327	3	*
RADIUM-226	3	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	18	5 222222	2 986352	94	3 1	14	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	6 14	#N/A	6 14	6.14	6 14	7865	55 57754	657.8106	437117	1	27000	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	6 14	#N/A	6.14	6 14	6 14	961	2 578564	3 089181	2478	1	31	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	11	8 627273	8 22169	94 9	3 3	31	26730	231.201	990 9965	6180003	0 03	37000	-0 20894	0 5375	11	
RADIUM-226	3	SULFATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	18	5 222222	2 986352	94	3 1	14	26730	231.201	990.9965	6180003	0 03	37000	0.72766	0 0006	18	*
RADIUM-226	3	SULFATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	6 14	#N/A	6 14	6 14	6 14	26730	231.201	990 9965	6180003	0 03	37000	#N/A	#N/A	1	
RADIUM-226	3	THALLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	11	8 627273	8 22169	94 9	3 3	31	848	9 369458	17 94903	7945.3	0 5	102	#N/A	#N/A	1	
RADIUM-226	3	THALLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	11	8 627273	8 22169	94 9	3 3	31	350	4 434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	18	5 222222	2 986352	94	3 1	14	848	9 369458	17.94903	7945 3	0 5	102	#N/A	#N/A	1	
RADIUM-226	3	THALLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	18	5 222222	2 986352	94	3 1	14	350	4 434286	7 27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	6 14	#N/A	6 14	6 14	6.14	848	9 369458	17.94903	7945 3	0 5	102	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	6.14	#N/A	6 14	6 14	6.14	350	4.434286	7.27558	1552	1	50	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	11	8 627273	8 22169	94 9	3 3	31	2359	23.36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	18	5 222222	2 986352	94	3.1	14	2359	23 36229	85 84469	55112	0 01	1000	-0 11551	0 6819	15	
RADIUM-226	3	TURBIDITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	1	6 14	#N/A	6 14	6 14	6 14	2359	23 36229	85 84469	55112	0 01	1000	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-235	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	11	8 627273	8 22169	94 9	3.3	31	141	56 54043	200 9786	7972.2	0 1	1300	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-235	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	18	5 222222	2 986352	94	3 1	14	141	56 54043	200 9786	7972 2	0 1	1300	0 57527	0 4247	4	
RADIUM-226	3	URANIUM-235	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	6.14	#N/A	6 14	6 14	6 14	141	56 54043	200.9786	7972 2	0.1	1300	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-238	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	11	8 627273	8 22169	94 9	3 3	31	141	2844 557	18195	401083	0 1	210000	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-238	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	18	5 222222	2 986352	94	3 1	14	141	2844 557	18195	401083	0 1	210000	0 67729	0 3227	4	
RADIUM-226	3	URANIUM-238	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	6 14	#N/A	6.14	6.14	6.14	141	2844 557	18195	401083	0.1	210000	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	11	8 627273	8 22169	94 9	3 3	31	105993	257 8247	364.157	27327615	0 5	7106	-0 10385	0 7612	11	
RADIUM-226	3	WELL-DEPTH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	18	5 222222	2 986352	94	3 1	14	105993	257 8247	364 157	27327615	0 5	7106	0 69189	0 003	16	*
RADIUM-226	3	WELL-DEPTH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1	6.14	#N/A	6.14	6 14	6.14	105993	257.8247	364 157	27327615	0 5	7106	#N/A	#N/A	1	
RADIUM-226	4	ALKALINITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7	11 51429	9 267223	80.6	4	31	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
RADIUM-226	4	ALKALINITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	11	6 309091	3 428835	69 4	4	14	2642	204.9232	148 8865	541407	3	4500	#N/A	#N/A	1	
RADIUM-226	4	ALKALINITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	6 14	#N/A	6 14	6 14	6 14	2642	204 9232	148 8865	541407	3	4500	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	7	11 51429	9 267223	80 6	4	31	2940	7 838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	7	11 51429	9 267223	80 6	4	31	482	28.07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	11	6 309091	3.428835	69.4	4	14	2940	7.838537	29.93498	23045	1	200	0.74279	0 0138	10	*

Appendix E-threshold National correlation analysis. Correlation coefficients and summary statistics by threshold level (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	11	6 309091	3 428835	69 4	4	14	482	28 07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	6.14	#N/A	6.14	6.14	6.14	2940	7.838537	29.93498	23045	1	200	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	6.14	#N/A	6.14	6.14	6.14	482	28 07158	61.3558	13531	1	200	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	7	11.51429	9 267223	80.6	4	31	9943	9.090013	72 56837	90382	1	3800	#N/A	#N/A	1	
RADIUM-226	4	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	7	11.51429	9.267223	80 6	4	31	1294	17 47862	94 81877	22617	1	1400	-0 36687	0 6331	4	
RADIUM-226	4	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	11	6.309091	3.428835	69 4	4	14	9943	9 090013	72.56837	90382	1	3800	0 74392	0 0087	11	*
RADIUM-226	4	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	11	6 309091	3 428835	69.4	4	14	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	6 14	#N/A	6 14	6 14	6 14	9943	9.090013	72 56837	90382	1	3800	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	6.14	#N/A	6.14	6.14	6.14	1294	17.47862	94 81877	22617	1	1400	#N/A	#N/A	1	
RADIUM-226	4	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	7	11 51429	9.267223	80 6	4	31	8200	120.7616	269 9694	990245	1	10000	#N/A	#N/A	1	
RADIUM-226	4	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	7	11 51429	9.267223	80.6	4	31	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	7	11.51429	9.267223	80.6	4	31	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	11	6 309091	3 428835	69 4	4	14	8200	120.7616	269.9694	990245	1	10000	-0 04146	0 9037	11	
RADIUM-226	4	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	11	6 309091	3.428835	69.4	4	14	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	11	6.309091	3.428835	69.4	4	14	776	194.384	563.7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	6 14	#N/A	6 14	6.14	6.14	8200	120 7616	269 9694	990245	1	10000	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	6 14	#N/A	6 14	6.14	6 14	2	100	0	200	100	100	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	6.14	#N/A	6 14	6.14	6.14	776	194 384	563 7236	150842	7	10000	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	7	11.51429	9 26722	80.6	4	31	6332	1 869	12 88026	11835	0 1	406	#N/A	#N/A	1	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	7	11 51429	9 26722	80 6	4	31	627	3.52998	5 18639	2213 3	0 5	25	#N/A	#N/A	4	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	11	6.30909	3 42883	69 4	4	14	6332	1.869	12 88026	11835	0 1	406	0.7452	0 0085	11	*
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	11	6.30909	3 42883	69.4	4	14	627	3.52998	5.18639	2213 3	0 5	25	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	6.14	#N/A	6 14	6.14	6.14	6332	1.869	12.88026	11835	0 1	406	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	6.14	#N/A	6 14	6.14	6.14	627	3.52998	5.18639	2213 3	0 5	25	#N/A	#N/A	1	
RADIUM-226	4	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	7	11 51429	9 267223	80 6	4	31	9321	7 570965	108 8909	70569	0.01	5675	#N/A	#N/A	1	
RADIUM-226	4	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	7	11.51429	9 267223	80 6	4	31	1131	4.464633	6 25633	5049 5	1	100	#N/A	#N/A	1	
RADIUM-226	4	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	11	6 309091	3 428835	69.4	4	14	9321	7.570965	108 8909	70569	0 01	5675	0 74112	0 0091	11	*
RADIUM-226	4	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	11	6.309091	3 428835	69.4	4	14	1131	4.464633	6 25633	5049 5	1	100	#N/A	#N/A	1	
RADIUM-226	4	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	6.14	#N/A	6 14	6.14	6 14	9321	7.570965	108 8909	70569	0 01	5675	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	6.14	#N/A	6 14	6 14	6.14	1131	4.464633	6.25633	5049 5	1	100	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	7	11 51429	9 267223	80 6	4	31	9790	9.877542	276 7559	96701	0 02	27300	#N/A	#N/A	1	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	7	11 51429	9 267223	80 6	4	31	952	13 00315	41 66239	12379	1	630	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	7	11 51429	9 267223	80.6	4	31	1274	13.5	43.20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	11	6 309091	3 428835	69.4	4	14	9790	9 877542	276.7559	96701	0 02	27300	0 73081	0 0106	11	*
RADIUM-226	4	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	11	6 309091	3.428835	69.4	4	14	952	13.00315	41.66239	12379	1	630	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	11	6 309091	3.428835	69.4	4	14	1274	13.5	43 20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	6.14	#N/A	6.14	6.14	6.14	9790	9 877542	276 7559	96701	0 02	27300	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	6.14	#N/A	6.14	6.14	6.14	952	13.00315	41 66239	12379	1	630	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	6 14	#N/A	6 14	6.14	6.14	1274	13 5	43 20096	17199	1	1100	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7	11 51429	9 267223	80.6	4	31	56711	1443 287	4687 848	81850239	1	249000	0 77364	0 0413	7	*
RADIUM-226	4	CONDUCTANCE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	11	6 309091	3 428835	69.4	4	14	56711	1443 287	4687 848	81850239	1	249000	0 74564	0 0084	11	*
RADIUM-226	4	CONDUCTANCE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	6.14	#N/A	6.14	6.14	6.14	56711	1443.287	4687.848	81850239	1	249000	#N/A	#N/A	1	
RADIUM-226	4	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	7	11 51429	9 267223	80 6	4	31	565	0 650733	3 513117	367 664	0.001	20	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	7	11 51429	9.267223	80 6	4	31	1396	1.095165	12.00667	1528 85	0 01	280	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	11	6 309091	3.428835	69.4	4	14	565	0 650733	3.513117	367 664	0 001	20	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	[illegible]	9091	3.428835	69.4	4	14	1396	1 095165	12.00667	1528 85	0.01	280	#N/A	[illegible]	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	624	0.110433	0.221947	68.91	0.02	3	3697	8.682685	216.40147	32100	0.2	12000	0.05177	0.7936	28	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	624	0.110433	0.221947	68.91	0.02	3	969	27.159099	88.389881	26317	1	350	-0.47658	0.417	5	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	578	0.026644	0.038336	15.4	0.007	0.48	3697	8.682685	216.40147	32100	0.2	12000	0.04919	0.8037	28	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	578	0.026644	0.038336	15.4	0.007	0.48	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	3	
RADIUM-226	0	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	10	0.11	0.031623	1.1	0.1	0.2	19173	53.91325	102.63829	1033679	0.2	12000	-0.17629	0.6261	10	
RADIUM-226	0	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	10	0.11	0.031623	1.1	0.1	0.2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	10	0.11	0.031623	1.1	0.1	0.2	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	624	0.110433	0.221947	68.91	0.02	3	19173	53.91325	102.63829	1033679	0.2	12000	0.14301	0.0012	512	*
RADIUM-226	0	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	624	0.110433	0.221947	68.91	0.02	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	624	0.110433	0.221947	68.91	0.02	3	7990	86.273276	96.975617	689323	5	3000	0.23253	0.4446	13	
RADIUM-226	0	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	578	0.026644	0.038336	15.4	0.007	0.48	19173	53.91325	102.63829	1033679	0.2	12000	0.16653	0.0003	475	*
RADIUM-226	0	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	578	0.026644	0.038336	15.4	0.007	0.48	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	578	0.026644	0.038336	15.4	0.007	0.48	7990	86.273276	96.975617	689323	5	3000	-0.19365	0.5683	11	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	10	0.11	0.03162	1.1	0.1	0.2	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	10	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	10	0.11	0.03162	1.1	0.1	0.2	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	624	0.11043	0.22195	68.91	0.02	3	13507	4.19948	113.72045	56722	0.05	12000	0.09158	0.5544	44	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	624	0.11043	0.22195	68.91	0.02	3	9762	3.45088	8.24248	33687	0.5	710	-0.16127	0.6166	12	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	578	0.02664	0.03834	15.4	0.007	0.48	13507	4.19948	113.72045	56722	0.05	12000	-0.18135	0.2445	43	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	578	0.02664	0.03834	15.4	0.007	0.48	9762	3.45088	8.24248	33687	0.5	710	-0.11337	0.7552	10	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	10	0.11	0.031623	1.1	0.1	0.2	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	10	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	10	0.11	0.031623	1.1	0.1	0.2	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	7	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	624	0.110433	0.221947	68.91	0.02	3	20131	4.525946	98.232558	91112	0.01	12000	0.0549	0.6177	85	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	624	0.110433	0.221947	68.91	0.02	3	16049	2.254265	3.179993	36179	1	140	-0.05008	0.6873	67	
RADIUM-226	0	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	578	0.026644	0.038336	15.4	0.007	0.48	20131	4.525946	98.232558	91112	0.01	12000	0.06395	0.5706	81	
RADIUM-226	0	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	578	0.026644	0.038336	15.4	0.007	0.48	16049	2.254265	3.179993	36179	1	140	-0.07259	0.5533	69	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	10	0.11	0.031623	1.1	0.1	0.2	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	10	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	10	0.11	0.031623	1.1	0.1	0.2	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	10	0.11	0.031623	1.1	0.1	0.2	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	624	0.110433	0.221947	68.91	0.02	3	17823	7.326853	100.60661	130587	0.01	12000	-0.06756	0.539	65	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	624	0.110433	0.221947	68.91	0.02	3	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	624	0.110433	0.221947	68.91	0.02	3	14432	5.940315	14.892349	85731	1	765	-0.01489	0.9078	63	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	578	0.026644	0.038336	15.4	0.007	0.48	17823	7.326853	100.60661	130587	0.01	12000	0.10632	0.3448	81	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	578	0.026644	0.038336	15.4	0.007	0.48	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	578	0.026644	0.038336	15.4	0.007	0.48	14432	5.940315	14.892349	85731	1	765	-0.01951	0.8844	58	
RADIUM-226	0	CONDUCTANCE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10	0.11	0.031623	1.1	0.1	0.2	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	9	
RADIUM-226	0	CONDUCTANCE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	624	0.110433	0.221947	68.91	0.02	3	151404	835.24242	7585.0802	126459043	1	2400000	0.19803	0.0001	615	*
RADIUM-226	0	CONDUCTANCE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	578	0.026644	0.038336	15.4	0.007	0.48	151404	835.24242	7585.0802	126459043	1	2400000	0.19236	0.0001	569	*
RADIUM-226	0	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	10	0.11	0.031623	1.1	0.1	0.2	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	10	0.11	0.031623	1.1	0.1	0.2	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	624	0.110433	0.221947	68.91	0.02	3	4413	0.026723	0.713462	117.928667	0.001	42	-0.04785	0.8368	21	
RADIUM-226	[illegible]	[illegible]YANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	62[illegible]	[illegible]10433	0.221947	68.91	0.02	3	307	0.052834	0.444387	16.22	0.01	6	#N/[illegible]	#N/A	0	
RADIUM-226	[illegible]	[illegible]YANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5[illegible]	[illegible]6644	0.038336	15.4	0.007	0.48	4413	0.026723	0.713462	117.928667	0.001	42	-0[illegible]	0.744	20	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]nts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	NICKEL	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	8	2.588958	3.209018	20.711667	1	10.121667	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	1	
NITRITE	1	NITRATE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	148	2.715685	1.569323	401.921429	1	7.1	27516	2.33807	13.946496	64334	0.001	1800	0.36998	0.0001	147	*
NITRITE	1	NITRATE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	8	2.588958	3.209018	20.711667	1	10.121667	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	1	
NITRITE	1	PH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	148	2.715685	1.569323	401.921429	1	7.1	99613	7.568676	0.845555	753938	0.1	14	-0.35801	0.0002	106	*
NITRITE	1	PH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	8	2.588958	3.209018	20.711667	1	10.121667	99613	7.568676	0.845555	753938	0.1	14	0.48393	0.2243	8	
NITRITE	1	RADIUM-226	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
NITRITE	1	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	148	2.715685	1.569323	401.921429	1	7.1	15132	5.739795	49.016961	88855	1	3000	0.89953	0.0001	15	*
NITRITE	1	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	148	2.715685	1.569323	401.921429	1	7.1	7729	6.108779	70.618386	47215	1	5800	-0.74998	0.4601	3	
NITRITE	1	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	8	2.588958	3.209018	20.711667	1	10.121667	15132	5.739795	49.016961	88855	1	3000	-1	#N/A	2	
NITRITE	1	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	8	2.588958	3.209018	20.711667	1	10.121667	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	1	
NITRITE	1	SULFATE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	148	2.715685	1.569323	401.921429	1	7.1	61449	203.15791	972.75089	12483850	0.01	64000	0.04672	0.7207	61	
NITRITE	1	SULFATE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	8	2.588958	3.209018	20.711667	1	10.121667	61449	203.15791	972.75089	12483850	0.01	64000	-0.02733	0.9536	7	
NITRITE	1	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	148	2.715685	1.569323	401.921429	1	7.1	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
NITRITE	1	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	148	2.715685	1.569323	401.921429	1	7.1	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
NITRITE	1	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	8	2.588958	3.209018	20.711667	1	10.121667	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	1	
NITRITE	1	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	8	2.588958	3.209018	20.711667	1	10.121667	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	148	2.715685	1.569323	401.921429	1	7.1	34709	38.379662	405.66108	1332120	0.1	36500	-0.72677	0.1642	5	
NITRITE	1	TURBIDITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	8	2.588958	3.209018	20.711667	1	10.121667	34709	38.379662	405.66108	1332120	0.1	36500	-0.33461	0.5168	6	
NITRITE	1	URANIUM-235	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	148	2.715685	1.569323	401.921429	1	7.1	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	8	2.588958	3.209018	20.711667	1	10.121667	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
NITRITE	1	WELL-DEPTH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	148	2.715685	1.569323	401.921429	1	7.1	581	398.67981	390.97008	231633	3	1980	0.03614	0.7821	61	
NITRITE	1	WELL-DEPTH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	8	2.588958	3.209018	20.711667	1	10.121667	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
PH	0	ALKALINITY	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	99613	7.568676	0.845555	753938	0.1	14	8351	141.86443	79.888743	1184710	0.9	1800	0.38331	0.0001	7962	*
PH	0	CONDUCTANCE	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	99613	7.568676	0.845555	753938	0.1	14	151404	835.24242	7585.0802	126459043	1	2400000	0.01786	0.0001	95664	*
PH	0	DISSOLVED-OXYGE	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	99613	7.568676	0.845555	753938	0.1	14	83235	542.51758	153897	45156451	0.1	44400000	-0.00727	0.0383	81314	*
PH	0	TURBIDITY	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00076	TURBIDITY-P00076-(NTU)	99613	7.568676	0.845555	753938	0.1	14	34709	38.379662	405.66108	1332120	0.1	36500	0.02289	0.0001	28056	*
RADIUM-226	0	ALKALINITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10	0.11	0.031623	1.1	0.1	0.2	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	0	ALKALINITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	624	0.110433	0.221947	68.91	0.02	3	8351	141.86443	79.888743	1184710	0.9	1800	0.14794	0.2358	66	
RADIUM-226	0	ALKALINITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	578	0.026644	0.038336	15.4	0.007	0.48	8351	141.86443	79.888743	1184710	0.9	1800	0.0428	0.7433	61	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	10	0.11	0.031623	1.1	0.1	0.2	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	10	0.11	0.031623	1.1	0.1	0.2	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	578	0.026644	0.038336	15.4	0.007	0.48	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	10	0.11	0.031623	1.1	0.1	0.2	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	624	0.110433	0.221947	68.91	0.02	3	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	578	0.026644	0.038336	15.4	0.007	0.48	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-OXYGE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	10	0.11	0.031623	1.1	0.1	0.2	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	7	
RADIUM-226	0	DISSOLVED-OXYGE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	624	0.110433	0.221947	68.91	0.02	3	83235	542.51758	153897	45156451	0.1	44400000	-0.01453	0.7255	586	
RADIUM-226	0	DISSOLVED-OXYGE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	578	0.026644	0.038336	15.4	0.007	0.48	83235	542.51758	153897	45156451	0.1	44400000	-0.00917	0.832	536	
RADIUM-226	0	DISSOLVED-SOLID	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10	0.11	0.031623	1.1	0.1	0.2	45639	642.85223	3429.8776	29339133	3	322000	-0.05947	0.8704	10	
RADIUM-226	0	DISSOLVED-SOLID	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	624	0.110433	0.221947	68.91	0.02	3	45639	642.85223	3429.8776	29339133	3	322000	0.22059	0.0001	584	*
RADIUM-226	0	DISSOLVED-SOLID	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	578	0.026644	0.038336	15.4	0.007	0.48	45639	642.85223	3429.8776	29339133	3	322000	0.21613	0.0001	541	*
RADIUM-226	0	HARDNESS	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10	0.11	0.031623	1.1	0.1	0.2	58733	243.24843	454.78754	14286710	1	17000	-0.00671	0.9853	10	
RADIUM-226	0	HARDNESS	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	624	0.110433	0.221947	68.91	0.02	3	58733	243.24843	454.78754	14286710	1	17000	0.20868	0.0001	612	*
RADIUM-226	0	HARDNESS	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	578	0.026644	0.038336	15.4	0.007	0.48	58733	243.24843	454.78754	14286710	1	17000	0.1963	0.0001	568	*
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	10	0.11	0.031623	1.1	0.1	0.2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	10	0.11	0.031623	1.1	0.1	0.2	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	10	0.11	0.031623	1.1	0.1	0.2	43140	5389.2633	68858	232492818	0.1	2750000	-0.12183	0.7374	10	
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	10	0.11	0.031623	1.1	0.1	0.2	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	624	0.110433	0.221947	68.91	0.02	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	624	0.110433	0.221947	68.91	0.02	3	16528	3675.8675	37212	60754738	10	2800000	-0.07143	0.6834	35	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	624	0.110433	0.221947	68.91	0.02	3	43140	5389.2633	68858	232492818	0.1	2750000	0.00251	0.9533	548	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	624	0.110433	0.221947	68.91	0.02	3	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	578	0.026644	0.038336	15.4	0.007	0.48	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	578	0.026644	0.038336	15.4	0.007	0.48	16528	3675.8675	37212	60754738	10	2800000	0.07981	0.6695	31	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	578	0.026644	0.038336	15.4	0.007	0.48	43140	5389.2633	68858	232492818	0.1	2750000	-0.01152	0.7955	509	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	578	0.026644	0.038336	15.4	0.007	0.48	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	10	0.11	0.03162	1.1	0.1	0.2	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	10	0.11	0.03162	1.1	0.1	0.2	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	10	0.11	0.03162	1.1	0.1	0.2	42074	243.3273	2387.0571	10237753	0.01	151000	-0.10866	0.7651	10	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	624	0.11043	0.22195	68.91	0.02	3	7	1.71429	0.48795	12	1	2	-0.48238	0.2729	7	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	624	0.11043	0.22195	68.91	0.02	3	15168	581.52304	3916.8679	8820541	1	160000	-0.06266	0.729	33	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	624	0.11043	0.22195	68.91	0.02	3	42074	243.3273	2387.0571	10237753	0.01	151000	0.07496	0.0882	525	
RADIUM-226	0	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	578	0.02664	0.03834	15.4	0.007	0.48	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	578	0.02664	0.03834	15.4	0.007	0.48	15168	581.52304	3916.8679	8820541	1	160000	0.12712	0.5032	30	
RADIUM-226	0	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	578	0.02664	0.03834	15.4	0.007	0.48	42074	243.3273	2387.0571	10237753	0.01	151000	0.00904	0.8422	487	
RADIUM-226	0	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	10	0.11	0.031623	1.1	0.1	0.2	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	7	
RADIUM-226	0	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	10	0.11	0.031623	1.1	0.1	0.2	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	1	
RADIUM-226	0	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	624	0.110433	0.221947	68.91	0.02	3	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	46	
RADIUM-226	0	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	624	0.110433	0.221947	68.91	0.02	3	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.02503	0.6289	77	
RADIUM-226	0	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	578	0.026644	0.038336	15.4	0.007	0.48	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	40	
RADIUM-226	0	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	578	0.026644	0.038336	15.4	0.007	0.48	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.02573	0.8277	74	
RADIUM-226	0	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	10	0.11	0.031623	1.1	0.1	0.2	19215	76.162741	672.33574	1463467	0.5	17000	-0.11111	0.7599	10	
RADIUM-226	0	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	10	0.11	0.031623	1.1	0.1	0.2	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	624	0.110433	0.221947	68.91	0.02	3	19215	76.162741	672.33574	1463467	0.5	17000	0.09466	0.0331	507	*
RADIUM-226	0	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	624	0.110433	0.221947	68.91	0.02	3	12890	18.184867	47.752014	234403	1	2400	-0.05652	0.8182	19	
RADIUM-226	0	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	578	0.026644	0.038336	15.4	0.007	0.48	19215	76.162741	672.33574	1463467	0.5	17000	0.26553	0.0001	471	*
RADIUM-226	0	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	578	0.026644	0.038336	15.4	0.007	0.48	12890	18.184867	47.752014	234403	1	2400	-0.03928	0.8852	16	
RADIUM-226	0	NITRATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	10	0.11	0.031623	1.1	0.1	0.2	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADIUM-226	0	NITRATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	624	0.110433	0.221947	68.91	0.02	3	27516	2.33807	13.946496	64334	0.001	1800	-0.02075	0.7253	175	
RADIUM-226	0	NITRATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	578	0.026644	0.038336	15.4	0.007	0.48	27516	2.33807	13.946496	64334	0.001	1800	-0.04104	0.5996	166	
RADIUM-226	0	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	10	0.11	0.031623	1.1	0.1	0.2	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	10	0.11	0.031623	1.1	0.1	0.2	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	624	0.110433	0.221947	68.91	0.02	3	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.0207	0.6203	575	
RADIUM-226	0	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	624	0.110433	0.221947	68.91	0.02	3	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.14467	0.3547	43	
RADIUM-226	0	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	578	0.026644	0.038336	15.4	0.007	0.48	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.01791	0.6796	534	
RADIUM-226	0	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	578	0.026644	0.038336	15.4	0.007	0.48	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.12659	0.4553	37	
RADIUM-226	0	PH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10	0.11	0.031623	1.1	0.1	0.2	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	9	
RADIUM-226	0	PH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	624	0.110433	0.221947	68.91	0.02	3	99613	7.568676	0.845555	753938	0.1	14	-0.00277	0.9456	609	
RADIUM-226	0	PH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	578	0.026644	0.038336	15.4	0.007	0.48	99613	7.568676	0.845555	753938	0.1	14	0.00509	0.904	563	
RADIUM-226	0	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	10	0.11	0.031623	1.1	0.1	0.2	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	10	0.11	0.031623	1.1	0.1	0.2	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	624	0.110433	0.221947	68.91	0.02	3	102	37.441176	53.295844	3819	15	330	-1	#N/A	2	
RADIUM-226	0	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	624	0.110433	0.221947	68.91	0.02	3	102	318.25	498.76308	32462	24	3300	-1	#N/A	2	
RADIUM-226	0	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	578	0.026644	0.038336	15.4	0.007	0.48	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	2	
RADIUM-226	0	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	578	0.026644	0.038336	15.4	0.007	0.48	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	2	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10	0.11	0.031623	1.1	0.1	0.2	15132	5.739795	49.016961	86855	1	3000	-0.27217	0.4468	10	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10	0.11	0.031623	1.1	0.1	0.2	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	624	0.110433	0.221947	68.91	0.02	3	15132	5.739795	49.016961	86855	1	3000	0.10308	0.0163	543	*
RADIUM-226	0	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	624	0.110433	0.221947	68.91	0.02	3	7729	6.108779	70.618386	47215	1	5800	-0.02302	0.8446	75	
RADIUM-226	0	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	578	0.026644	0.038336	15.4	0.007	0.48	15132	5.739795	49.016961	86855	1	3000	0.11927	0.0073	505	*
RADIUM-226	0	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	578	0.026644	0.038336	15.4	0.007	0.48	7729	6.108779	70.618386	47215	1	5800	-0.01704	0.8878	71	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10	0.11	0.031623	1.1	0.1	0.2	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	7	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10	0.11	0.031623	1.1	0.1	0.2	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	624	0.110433	0.221947	68.91	0.02	3	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	1	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	624	0.110433	0.221947	68.91	0.02	3	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	578	0.026644	0.038336	15.4	0.007	0.48	352	30.269574	23.93811	10655	0.1	50	0.67283	0.0675	8	
RADIUM-226	0	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	578	0.026644	0.038336	15.4	0.007	0.48	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	10	0.11	0.031623	1.1	0.1	0.2	34709	38.379662	405.66108	1332120	0.1	38500	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	624	0.110433	0.221947	68.91	0.02	3	34709	38.379662	405.66108	1332120	0.1	38500	-0.02073	0.6246	559	
RADIUM-226	0	TURBIDITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	578	0.026644	0.038336	15.4	0.007	0.48	34709	38.379662	405.66108	1332120	0.1	38500	0.03576	0.4218	507	
RADIUM-226	0	URANIUM-235	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	10	0.11	0.031623	1.1	0.1	0.2	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	2	
RADIUM-226	0	URANIUM-235	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	624	0.110433	0.221947	68.91	0.02	3	26	0.146154	0.124035	3.8	0.1	0.6	-0.77539	0.1234	5	
RADIUM-226	0	URANIUM-235	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	578	0.026644	0.038336	15.4	0.007	0.48	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	6	
RADIUM-226	0	URANIUM-238	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	10	0.11	0.031623	1.1	0.1	0.2	26	2.017692	3.112414	52.46	0.1	12	[illegible]	#N/A	2	
RADIUM-226	[illegible]	[illegible]ANIUM-238	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	[illegible]	[illegible]0433	0.221947	68.91	0.02	3	26	2.017692	3.112414	52.46	0.1	12	-0[illegible]	[illegible].1378	5	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	URANIUM-238	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	578	0.026644	0.038336	15.4	0.007	0.48	26	2.017692	3.112414	52.46	0.1	12	0.76076	0.079	6	
RADIUM-226	0	WELL-DEPTH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	10	0.11	0.031623	1.1	0.1	0.2	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	624	0.110433	0.221947	68.91	0.02	3	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	578	0.026644	0.038336	15.4	0.007	0.48	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	3	ALKALINITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	3	ALKALINITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	3	#N/A	3	3	3	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	3	ALKALINITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	3	#N/A	3	3	3	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	3	#N/A	3	3	3	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	3	#N/A	3	3	3	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	1	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	3	#N/A	3	3	3	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	1	
RADIUM-226	3	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	3	#N/A	3	3	3	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	3	#N/A	3	3	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	3	#N/A	3	3	3	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	3	#N/A	3	3	3	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	3	#N/A	3	3	3	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	3	#N/A	3	3	3	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	1	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	3	#N/A	3	3	3	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	1	
RADIUM-226	3	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.328853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	3	#N/A	3	3	3	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	1	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	3	#N/A	3	3	3	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	3	#N/A	3	3	3	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	1	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	3	#N/A	3	3	3	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	1	
RADIUM-226	3	CONDUCTANCE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	3	#N/A	3	3	3	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	3	#N/A	3	3	3	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	3	#N/A	3	3	3	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	3	#N/A	3	3	3	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	1	
RADIUM-226	3	DISSOLVED-OXYGE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	3	#N/A	3	3	3	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	1	
RADIUM-226	3	DISSOLVED-SOLID	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	3	#N/A	3	3	3	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	1	
RADIUM-226	3	HARDNESS	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	3	#N/A	3	3	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	3	#N/A	3	3	3	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	3	#N/A	3	3	3	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	1	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	1	3	#N/A	3	3	3	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	[illegible]	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	[illegible]N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	[illegible]	0	
RADIUM-226	[illegible]	[illegible]NGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	[illegible]	[illegible]A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correla[illegible]ients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	3	#N/A	3	3	3	7	1.71429	0.46795	12	1	2	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	3	#N/A	3	3	3	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	3	#N/A	3	3	3	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.46795	12	1	2	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	3	#N/A	3	3	3	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	1	
RADIUM-226	3	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	3	#N/A	3	3	3	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	1	
RADIUM-226	3	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	3	#N/A	3	3	3	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	3	#N/A	3	3	3	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	3	#N/A	3	3	3	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	1	
RADIUM-226	3	NITRATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	3	#N/A	3	3	3	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	1	
RADIUM-226	3	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	3	#N/A	3	3	3	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	1	
RADIUM-226	3	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADIUM-226	3	PH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADIUM-226	3	PH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	3	#N/A	3	3	3	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	1	
RADIUM-226	3	PH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADIUM-226	3	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	3	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	3	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	1	3	#N/A	3	3	3	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	3	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	3	#N/A	3	3	3	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	3	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	3	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	3	#N/A	3	3	3	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	1	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	3	#N/A	3	3	3	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	1	
RADIUM-226	3	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	3	#N/A	3	3	3	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	1	
RADIUM-226	3	SULFATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	3	#N/A	3	3	3	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	3	#N/A	3	3	3	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	1	3	#N/A	3	3	3	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-235	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-235	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	3	#N/A	3	3	3	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-235	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-238	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-238	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	3	#N/A	3	3	3	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADIUM-226	3	URANIUM-238	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1	3	#N/A	3	3	3	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	4	ALKALINITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	4	ALKALINITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	4	ALKALINITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	[illegible]	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADIUM-226	[illegible]	RIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	[illegible]	[illegible]	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	DISSOLVED-SOLID	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADIUM-226	[illegible]	TRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	[illegible]	[illegible]A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correla[illegible]ients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADIUM-226	4	PH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADIUM-226	4	PH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADIUM-226	4	PH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADIUM-226	4	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	4	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	4	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	4	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	4	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
RADIUM-226	4	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-235	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-235	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-235	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-238	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-238	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADIUM-226	4	URANIUM-238	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADON	0	ALKALINITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	102	37.441176	53.295844	3819	15	330	8351	141.86443	79.888743	1184710	0.9	1800	0.51449	0.656	3	
RADON	0	ALKALINITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	102	318.25	498.76308	32462	24	3300	8351	141.86443	79.888743	1184710	0.9	1800	0.68429	0.5202	3	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAQ	VTHRES	WTAQ	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	102	37.441176	53.295844	3819	15	330	3697	8.682685	216.40147	32100	0.2	12000	-0.21134	0.2378	33	
RADON	0	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	102	37.441176	53.295844	3819	15	330	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	0	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	102	318.25	498.76308	32462	24	3300	3697	8.682685	216.40147	32100	0.2	12000	-0.17751	0.323	33	
RADON	0	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	102	318.25	498.76308	32462	24	3300	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	102	37.441176	53.295844	3819	15	330	19173	53.91325	102.63829	1033679	0.2	12000	-0.18556	0.2581	39	
RADON	0	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	102	37.441176	53.295844	3819	15	330	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	102	37.441176	53.295844	3819	15	330	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	102	318.25	498.76308	32462	24	3300	19173	53.91325	102.63829	1033679	0.2	12000	-0.15648	0.3414	39	
RADON	0	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	102	318.25	498.76308	32462	24	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	102	318.25	498.76308	32462	24	3300	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	0	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	102	37.44118	53.29584	3819	15	330	13507	4.19948	113.72045	56722	0.05	12000	0.11162	0.5047	38	
RADON	0	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	102	37.44118	53.29584	3819	15	330	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	0	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	102	318.25	498.76308	32462	24	3300	13507	4.19948	113.72045	56722	0.05	12000	-0.05022	0.7646	38	
RADON	0	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	102	318.25	498.76308	32462	24	3300	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	0	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	102	37.441176	53.295844	3819	15	330	20131	4.525946	98.232558	91112	0.01	12000	0.00576	0.9722	39	
RADON	0	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	102	37.441176	53.295844	3819	15	330	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	2	
RADON	0	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	102	318.25	498.76308	32462	24	3300	20131	4.525946	98.232558	91112	0.01	12000	0.05989	0.7172	39	
RADON	0	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	102	318.25	498.76308	32462	24	3300	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	2	
RADON	0	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	102	37.441176	53.295844	3819	15	330	17823	7.326853	100.60661	130587	0.01	12000	0.07285	0.6594	39	
RADON	0	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	102	37.441176	53.295844	3819	15	330	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	102	37.441176	53.295844	3819	15	330	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	102	318.25	498.76308	32462	24	3300	17823	7.326853	100.60661	130587	0.01	12000	0.06883	0.6772	39	
RADON	0	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	102	318.25	498.76308	32462	24	3300	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	102	318.25	498.76308	32462	24	3300	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	0	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	102	37.441176	53.295844	3819	15	330	151404	835.24242	7585.0802	126459043	1	2400000	0.07525	0.4759	92	
RADON	0	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	102	318.25	498.76308	32462	24	3300	151404	835.24242	7585.0802	126459043	1	2400000	0.10843	0.3036	92	
RADON	0	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	102	37.441176	53.295844	3819	15	330	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	102	37.441176	53.295844	3819	15	330	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	102	318.25	498.76308	32462	24	3300	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	102	318.25	498.76308	32462	24	3300	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	0	DEPTH-BELOW-LAN	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	102	37.441176	53.295844	3819	15	330	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	0	DEPTH-BELOW-LAN	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	102	318.25	498.76308	32462	24	3300	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	0	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	102	37.441176	53.295844	3819	15	330	83235	542.51758	153897	45156451	0.1	44400000	-0.24525	0.066	57	
RADON	0	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	102	318.25	498.76308	32462	24	3300	83235	542.51758	153897	45156451	0.1	44400000	-0.22907	0.0865	57	
RADON	0	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	102	37.441176	53.295844	3819	15	330	45639	642.85223	3429.8776	29339133	3	322000	0.09721	0.4639	59	
RADON	0	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	102	318.25	498.76308	32462	24	3300	45639	642.85223	3429.8776	29339133	3	322000	0.135	0.308	59	
RADON	0	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	102	37.441176	53.295844	3819	15	330	58733	243.24843	454.78754	14286710	1	17000	0.28926	0.0176	67	*
RADON	0	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	102	318.25	498.76308	32462	24	3300	58733	243.24843	454.78754	14286710	1	17000	0.32255	0.0078	67	*
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	102	37.441176	53.295844	3819	15	330	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	102	37.441176	53.295844	3819	15	330	16528	3675.6675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	102	37.441176	53.295844	3819	15	330	43140	5389.2633	68858	232492818	0.1	2750000	-0.10766	0.4089	61	
RADON	[illegible]	[illegible]ON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	[illegible]	[illegible]1176	53.295844	3819	15	330	160	49223	256519	7875716	0.02	2440000	#[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	102	318.25	498.76308	32462	24	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	102	318.25	498.76308	32462	24	3300	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	102	318.25	498.76308	32462	24	3300	43140	5389.2633	68858	232492818	0.1	2750000	-0.13929	0.2843	61	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	102	318.25	498.76308	32462	24	3300	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	102	37.44118	53.29584	3819	15	330	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	102	37.44118	53.29584	3819	15	330	15168	581.52304	3916.8679	8820541	1	160000	-1	#N/A	2	
RADON	0	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	102	37.44118	53.29584	3819	15	330	42074	243.3273	2387.0571	10237753	0.01	151000	-0.09688	0.4615	60	
RADON	0	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	102	318.25	498.76308	32462	24	3300	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	102	318.25	498.76308	32462	24	3300	15168	581.52304	3916.8679	8820541	1	160000	-1	#N/A	2	
RADON	0	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	102	318.25	498.76308	32462	24	3300	42074	243.3273	2387.0571	10237753	0.01	151000	-0.12972	0.3232	60	
RADON	0	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	102	37.441176	53.295844	3819	15	330	5608	0.136363	0.791919	764.723333	0.1	50	-0.0356	0.8391	35	
RADON	0	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	102	37.441176	53.295844	3819	15	330	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	0	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	102	318.25	498.76308	32462	24	3300	5608	0.136363	0.791919	764.723333	0.1	50	-0.07884	0.6526	35	
RADON	0	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	102	318.25	498.76308	32462	24	3300	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	0	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	102	37.441176	53.295844	3819	15	330	19215	76.162741	672.33574	1463467	0.5	17000	0.04074	0.8081	38	
RADON	0	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	102	37.441176	53.295844	3819	15	330	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	0	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	102	318.25	498.76308	32462	24	3300	19215	76.162741	672.33574	1463467	0.5	17000	0.0695	0.6784	38	*
RADON	0	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	102	318.25	498.76308	32462	24	3300	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	0	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	102	37.441176	53.295844	3819	15	330	27516	2.33807	13.946496	64334	0.001	1800	0.1198	0.4737	38	
RADON	0	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	102	318.25	498.76308	32462	24	3300	27516	2.33807	13.946496	64334	0.001	1800	0.60661	0.0001	38	*
RADON	0	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	102	37.441176	53.295844	3819	15	330	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.07268	0.4912	92	
RADON	0	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	102	37.441176	53.295844	3819	15	330	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	0	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	102	318.25	498.76308	32462	24	3300	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.10002	0.3428	92	
RADON	0	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	102	318.25	498.76308	32462	24	3300	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	0	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	102	37.441176	53.295844	3819	15	330	99613	7.568676	0.845555	753938	0.1	14	0.07097	0.499	93	
RADON	0	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	102	318.25	498.76308	32462	24	3300	99613	7.568676	0.845555	753938	0.1	14	-0.1652	0.1135	93	
RADON	0	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	102	37.441176	53.295844	3819	15	330	15132	5.739795	49.016961	86855	1	3000	0.70267	0.0001	39	*
RADON	0	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	102	37.441176	53.295844	3819	15	330	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	0	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	102	318.25	498.76308	32462	24	3300	15132	5.739795	49.016961	86855	1	3000	0.80705	0.0001	39	*
RADON	0	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	102	318.25	498.76308	32462	24	3300	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	102	37.441176	53.295844	3819	15	330	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	102	37.441176	53.295844	3819	15	330	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	102	318.25	498.76308	32462	24	3300	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	102	318.25	498.76308	32462	24	3300	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	0	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	102	37.441176	53.295844	3819	15	330	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	0	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	102	318.25	498.76308	32462	24	3300	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	0	URANIUM-235	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	102	37.441176	53.295844	3819	15	330	26	0.146154	0.124035	3.8	0.1	0.6	0.57671	0.4233	4	
RADON	0	URANIUM-235	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	102	318.25	498.76308	32462	24	3300	26	0.146154	0.124035	3.8	0.1	0.6	0.70313	0.2969	4	
RADON	0	URANIUM-238	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	102	37.441176	53.295844	3819	15	330	26	2.017692	3.112414	52.46	0.1	12	0.67685	0.3231	4	
RADON	0	URANIUM-238	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	102	318.25	498.76308	32462	24	3300	26	2.017692	3.112414	52.46	0.1	12	0.78857	0.2114	4	
RADON	0	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	102	37.441176	53.295844	3819	15	330	581	398.67981	390.97008	231633	3	1980	-0.69636	0.0173	11	*
RADON	0	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	102	318.25	498.76308	32462	24	3300	581	398.67981	390.97008	231633	3	1980	-0.84114	0.0012	11	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	ALKALINITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4	290	40.824829	1160	250	330	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	100	ALKALINITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	69	442.00725	566.82211	30499	100	3300	8351	141.86443	79.888743	1184710	0.9	1800	1	#N/A	2	
RADON	100	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4	290	40.824829	1160	250	330	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	4	
RADON	100	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4	290	40.824829	1160	250	330	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	100	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	69	442.00725	566.82211	30499	100	3300	3697	8.682685	216.40147	32100	0.2	12000	-0.18998	0.2977	32	
RADON	100	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	69	442.00725	566.82211	30499	100	3300	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	100	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4	290	40.824829	1160	250	330	10397	18.293928	493.01898	190202	1	32000	-0.4899	0.5101	4	
RADON	100	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4	290	40.824829	1160	250	330	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	100	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	69	442.00725	566.82211	30499	100	3300	10397	18.293928	493.01898	190202	1	32000	-0.09753	0.5658	37	
RADON	100	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	69	442.00725	566.82211	30499	100	3300	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4	290	40.824829	1160	250	330	19173	53.91325	102.63829	1033679	0.2	12000	-0.99073	0.0093	4	*
RADON	100	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4	290	40.824829	1160	250	330	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4	290	40.824829	1160	250	330	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	69	442.00725	566.82211	30499	100	3300	19173	53.91325	102.63829	1033679	0.2	12000	-0.21207	0.2143	36	
RADON	100	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	69	442.00725	566.82211	30499	100	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	69	442.00725	566.82211	30499	100	3300	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	100	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4	290	40.82483	1160	250	330	13507	4.19948	113.72045	56722	0.05	12000	0	1	4	
RADON	100	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4	290	40.82483	1160	250	330	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	100	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	69	442.00725	566.82211	30499	100	3300	13507	4.19948	113.72045	56722	0.05	12000	-0.06622	0.7055	35	
RADON	100	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	69	442.00725	566.82211	30499	100	3300	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	100	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4	290	40.824829	1160	250	330	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	4	
RADON	100	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4	290	40.824829	1160	250	330	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	100	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	69	442.00725	566.82211	30499	100	3300	20131	4.525946	98.232558	91112	0.01	12000	0.04796	0.7812	36	
RADON	100	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	69	442.00725	566.82211	30499	100	3300	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4	290	40.824829	1160	250	330	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	4	
RADON	100	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4	290	40.824829	1160	250	330	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4	290	40.824829	1160	250	330	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	69	442.00725	566.82211	30499	100	3300	17823	7.326853	100.60661	130587	0.01	12000	0.08809	0.6094	36	
RADON	100	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	69	442.00725	566.82211	30499	100	3300	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	69	442.00725	566.82211	30499	100	3300	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	100	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4	290	40.824829	1160	250	330	151404	835.24242	7585.0802	128459043	1	2400000	-0.10897	0 891	4	
RADON	100	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	69	442.00725	566.82211	30499	100	3300	151404	835.24242	7585.0802	128459043	1	2400000	0.07486	0.5731	59	
RADON	100	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4	290	40.824829	1160	250	330	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4	290	40.824829	1160	250	330	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	69	442.00725	566.82211	30499	100	3300	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	69	442.00725	566.82211	30499	100	3300	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	100	DEPTH-BELOW-LAN	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4	290	40.824829	1160	250	330	176	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	100	DEPTH-BELOW-LAN	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	69	442.00725	566.82211	30499	100	3300	176	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	100	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4	290	40.824829	1160	250	330	83235	542.51758	153897	45156451	0.1	44400000	0.79704	0.203	4	
RADON	100	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	69	442.00725	566.82211	30499	100	3300	83235	542.51758	153897	45156451	0.1	44400000	-0.19373	0.1776	50	
RADON	100	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4	290	40.824829	1160	250	330	45639	642.85223	3429.8776	29339133	3	322000	-0.03106	0.9689	4	
RADON	[illegible]	[illegible]SOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	[illegible]	[illegible]725	566.82211	30499	100	3300	45639	642.85223	3429.8776	29339133	3	322000	0.1[illegible]	[illegible]4575	45	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4	290	40.824829	1160	250	330	58733	243.24843	454.78754	14286710	1	17000	0.11201	0.888	4	
RADON	100	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	69	442.00725	566.82211	30499	100	3300	58733	243.24843	454.78754	14286710	1	17000	0.234	0.1175	46	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4	290	40.824829	1160	250	330	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4	290	40.824829	1160	250	330	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4	290	40.824829	1160	250	330	43140	5389.2633	68858	232492818	0.1	2750000	-0.39797	0.602	4	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	4	290	40.824829	1160	250	330	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	69	442.00725	566.82211	30499	100	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	69	442.00725	566.82211	30499	100	3300	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	69	442.00725	566.82211	30499	100	3300	43140	5389.2633	68858	232492818	0.1	2750000	-0.13679	0.3632	45	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	69	442.00725	566.82211	30499	100	3300	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4	290	40.82483	1160	250	330	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4	290	40.82483	1160	250	330	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4	290	40.82483	1160	250	330	42074	243.3273	2387.0571	10237753	0.01	151000	-0.4899	0.5101	4	
RADON	100	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	69	442.00725	566.82211	30499	100	3300	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	69	442.00725	566.82211	30499	100	3300	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	69	442.00725	566.82211	30499	100	3300	42074	243.3273	2387.0571	10237753	0.01	151000	-0.13696	0.3753	44	
RADON	100	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4	290	40.824829	1160	250	330	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	4	
RADON	100	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4	290	40.824829	1160	250	330	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	100	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	69	442.00725	566.82211	30499	100	3300	5608	0.136363	0.791919	764.723333	0.1	50	-0.09101	0.6203	32	
RADON	100	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	69	442.00725	566.82211	30499	100	3300	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	100	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4	290	40.824829	1160	250	330	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	4	
RADON	100	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4	290	40.824829	1160	250	330	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	100	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	69	442.00725	566.82211	30499	100	3300	19215	76.162741	672.33574	1463467	0.5	17000	0.08648	0.6213	35	
RADON	100	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	69	442.00725	566.82211	30499	100	3300	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	100	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4	290	40.824829	1160	250	330	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	100	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	69	442.00725	566.82211	30499	100	3300	27516	2.33807	13.946496	64334	0.001	1800	0.4686	0.0321	21	*
RADON	100	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4	290	40.824829	1160	250	330	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	4	
RADON	100	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4	290	40.824829	1160	250	330	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	100	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	69	442.00725	566.82211	30499	100	3300	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.1207	0.3541	61	
RADON	100	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	69	442.00725	566.82211	30499	100	3300	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	100	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4	290	40.824829	1160	250	330	99613	7.568676	0.845555	753938	0.1	14	-0.2776	0.7224	4	
RADON	100	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	69	442.00725	566.82211	30499	100	3300	99613	7.568676	0.845555	753938	0.1	14	-0.14404	0.2722	60	
RADON	100	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4	290	40.824829	1160	250	330	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4	290	40.824829	1160	250	330	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4	290	40.824829	1160	250	330	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	69	442.00725	566.82211	30499	100	3300	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	69	442.00725	566.82211	30499	100	3300	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	69	442.00725	566.82211	30499	100	3300	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	100	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4	290	40.824829	1160	250	330	15132	5.739795	49.016961	86855	1	3000	0.79822	0.2018	4	
RADON	100	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4	290	40.824829	1160	250	330	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	100	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	69	442.00725	566.82211	30499	100	3300	15132	5.739795	49.016961	86855	1	3000	0.80526	0.0001	36	*
RADON	100	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	69	442.00725	566.82211	30499	100	3300	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	4	290	40.824829	1160	250	330	61449	203.15791	972.75089	12483850	0.01	64000	0.41545	0.5845	4	
RADON	100	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	69	442.00725	566.82211	30499	100	3300	61449	203.15791	972.75089	12483850	0.01	64000	0.27029	0.0693	46	
RADON	100	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4	290	40.824829	1160	250	330	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4	290	40.824829	1160	250	330	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	69	442.00725	566.82211	30499	100	3300	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	69	442.00725	566.82211	30499	100	3300	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	100	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	4	290	40.824829	1160	250	330	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	100	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	69	442.00725	566.82211	30499	100	3300	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	100	URANIUM-235	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4	290	40.824829	1160	250	330	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	100	URANIUM-235	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	69	442.00725	566.82211	30499	100	3300	26	0.146154	0.124035	3.8	0.1	0.6	1	#N/A	2	
RADON	100	URANIUM-238	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4	290	40.824829	1160	250	330	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	100	URANIUM-238	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	69	442.00725	566.82211	30499	100	3300	26	2.017692	3.112414	52.46	0.1	12	1	#N/A	2	
RADON	100	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	4	290	40.824829	1160	250	330	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADON	100	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	69	442.00725	566.82211	30499	100	3300	581	398.67981	390.97008	231633	3	1980	0.11159	0.7589	10	
RADON	300	ALKALINITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	325	7.071068	650	320	330	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	300	ALKALINITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	35	695.61429	710.32204	24347	300	3300	8351	141.86443	79.888743	1184710	0.9	1800	1	#N/A	2	
RADON	300	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2	325	7.071068	650	320	330	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	2	
RADON	300	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2	325	7.071068	650	320	330	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	300	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	35	695.61429	710.32204	24347	300	3300	3697	8.682685	216.40147	32100	0.2	12000	-0.33074	0.2481	14	
RADON	300	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	35	695.61429	710.32204	24347	300	3300	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	300	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2	325	7.071068	650	320	330	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	2	
RADON	300	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2	325	7.071068	650	320	330	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	300	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	35	695.61429	710.32204	24347	300	3300	10397	18.293928	493.01898	190202	1	32000	-0.27127	0.3095	16	
RADON	300	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	35	695.61429	710.32204	24347	300	3300	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2	325	7.071068	650	320	330	.19173	53.91325	102.63829	1033679	0.2	12000	-1	#N/A	2	
RADON	300	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2	325	7.071068	650	320	330	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2	325	7.071068	650	320	330	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	35	695.61429	710.32204	24347	300	3300	19173	53.91325	102.63829	1033679	0.2	12000	-0.18016	0.5206	15	
RADON	300	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	35	695.61429	710.32204	24347	300	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	35	695.61429	710.32204	24347	300	3300	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	300	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2	325	7.07107	650	320	330	13507	4.19948	113.72045	56722	0.05	12000	-1	#N/A	2	
RADON	300	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2	325	7.07107	650	320	330	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	300	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	35	695.61429	710.32204	24347	300	3300	13507	4.19948	113.72045	56722	0.05	12000	0.07279	0.8047	14	
RADON	300	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	35	695.61429	710.32204	24347	300	3300	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	300	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2	325	7.071068	650	320	330	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	2	
RADON	300	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2	325	7.071068	650	320	330	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	300	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	35	695.61429	710.32204	24347	300	3300	20131	4.525946	98.232558	91112	0.01	12000	-0.07797	0.7824	15	
RADON	300	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	35	695.61429	710.32204	24347	300	3300	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2	325	7.071068	650	320	330	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	2	
RADON	300	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2	325	7.071068	650	320	330	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	[illegible]	[illegible]HROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	[illegible]	325	7.071068	650	320	330	14432	5.940315	14.692349	85731	1	765	#N/[illegible]	[illegible]#N/A	0	
RADON	[illegible]	[illegible]HROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	[illegible]	[illegible]1429	710.32204	24347	300	3300	17823	7.326853	100.60661	130587	0.01	12000	0.[illegible]	[illegible]0.4575	15	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	35	695.61429	710.32204	24347	300	3300	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	35	695.61429	710.32204	24347	300	3300	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	300	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	325	7.071068	650	320	330	151404	835.24242	7585.0802	126459043	1	2400000	-1	#N/A	2	
RADON	300	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	35	695.61429	710.32204	24347	300	3300	151404	835.24242	7585.0802	126459043	1	2400000	0.00266	0.9889	30	
RADON	300	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2	325	7.071068	650	320	330	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2	325	7.071068	650	320	330	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	35	695.61429	710.32204	24347	300	3300	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	35	695.61429	710.32204	24347	300	3300	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	300	DEPTH-BELOW-LAN	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	325	7.071068	650	320	330	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	300	DEPTH-BELOW-LAN	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	35	695.61429	710.32204	24347	300	3300	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	300	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	325	7.071068	650	320	330	83235	542.51758	153897	45156451	0.1	44400000	1.01193	#N/A	2	
RADON	300	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	35	695.61429	710.32204	24347	300	3300	83235	542.51758	153897	45156451	0.1	44400000	-0.09974	0.6206	27	
RADON	300	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	325	7.071068	650	320	330	45639	642.85223	3429.8776	29339133	3	322000	-1	#N/A	2	
RADON	300	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	35	695.61429	710.32204	24347	300	3300	45639	642.85223	3429.8776	29339133	3	322000	-0.03525	0.8896	18	
RADON	300	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	325	7.071068	650	320	330	58733	243.24843	454.78754	14286710	1	17000	-1	#N/A	2	
RADON	300	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	35	695.61429	710.32204	24347	300	3300	58733	243.24843	454.78754	14286710	1	17000	0.07957	0.7536	18	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2	325	7.071068	650	320	330	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2	325	7.071068	650	320	330	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2	325	7.071068	650	320	330	43140	5389.2633	68858	232492818	0.1	2750000	1	#N/A	2	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	2	325	7.071068	650	320	330	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	35	695.61429	710.32204	24347	300	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	35	695.61429	710.32204	24347	300	3300	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	35	695.61429	710.32204	24347	300	3300	43140	5389.2633	68858	232492818	0.1	2750000	-0.18786	0.4554	18	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	35	695.61429	710.32204	24347	300	3300	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	325	7.07107	650	320	330	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	325	7.07107	650	320	330	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	325	7.07107	650	320	330	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	2	
RADON	300	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	35	695.61429	710.32204	24347	300	3300	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	35	695.61429	710.32204	24347	300	3300	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	35	695.61429	710.32204	24347	300	3300	42074	243.3273	2387.0571	10237753	0.01	151000	-0.24879	0.3356	17	
RADON	300	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	325	7.071068	650	320	330	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	2	
RADON	300	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	325	7.071068	650	320	330	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	300	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	35	695.61429	710.32204	24347	300	3300	5608	0.136363	0.791919	764.723333	0.1	50	-0.16631	0.5699	14	
RADON	300	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	35	695.61429	710.32204	24347	300	3300	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	300	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2	325	7.071068	650	320	330	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	2	
RADON	300	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	325	7.071068	650	320	330	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	300	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	35	695.61429	710.32204	24347	300	3300	19215	76.162741	672.33574	1463467	0.5	17000	0.14264	0.6266	14	
RADON	300	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	35	695.61429	710.32204	24347	300	3300	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	300	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2	325	7.071068	650	320	330	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	300	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	35	695.61429	710.32204	24347	300	3300	27516	2.33807	13.946496	64334	0.001	1800	0.16337	0.652	10	
RADON	300	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2	325	7.071068	650	320	330	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	2	
RADON	300	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2	325	7.071068	650	320	330	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	35	695.61429	710.32204	24347	300	3300	49228	0.034175	0.178612	1682.36412	0.001	7.1	-0.02385	0.9005	30	
RADON	300	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	35	695.61429	710.32204	24347	300	3300	10597	0.022854	0.115399	242.179116	0.001	10.121667	#N/A	#N/A	0	
RADON	300	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	325	7.071068	650	320	330	99613	7.568676	0.845555	753938	0.1	14	1	#N/A	2	
RADON	300	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	35	695.61429	710.32204	24347	300	3300	99613	7.568676	0.845555	753938	0.1	14	0.0206	0.9124	31	
RADON	300	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2	325	7.071068	650	320	330	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2	325	7.071068	650	320	330	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2	325	7.071068	650	320	330	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	35	695.61429	710.32204	24347	300	3300	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	35	695.61429	710.32204	24347	300	3300	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	35	695.61429	710.32204	24347	300	3300	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	300	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2	325	7.071068	650	320	330	15132	5.739795	49.016961	86855	1	3000	1	#N/A	2	
RADON	300	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	325	7.071068	650	320	330	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	300	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	35	695.61429	710.32204	24347	300	3300	15132	5.739795	49.016961	86855	1	3000	0.75949	0.001	15	*
RADON	300	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	35	695.61429	710.32204	24347	300	3300	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	300	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2	325	7.071068	650	320	330	61449	203.15791	972.75089	12483850	0.01	64000	-1	#N/A	2	
RADON	300	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	35	695.61429	710.32204	24347	300	3300	61449	203.15791	972.75089	12483850	0.01	64000	0.19029	0.4495	18	
RADON	300	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	325	7.071068	650	320	330	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	325	7.071068	650	320	330	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	35	695.61429	710.32204	24347	300	3300	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	35	695.61429	710.32204	24347	300	3300	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	300	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	2	325	7.071068	650	320	330	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	300	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	35	695.61429	710.32204	24347	300	3300	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	300	URANIUM-235	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2	325	7.071068	650	320	330	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	300	URANIUM-235	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	35	695.61429	710.32204	24347	300	3300	26	0.146154	0.124035	3.8	0.1	0.6	1	#N/A	2	
RADON	300	URANIUM-238	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2	325	7.071068	650	320	330	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	300	URANIUM-238	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	35	695.61429	710.32204	24347	300	3300	26	2.017692	3.112414	52.46	0.1	12	1	#N/A	2	
RADON	300	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	2	325	7.071068	650	320	330	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADON	300	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	35	695.61429	710.32204	24347	300	3300	581	398.67981	390.97008	231633	3	1980	0.11159	0.7589	10	
RADON	500	ALKALINITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	500	ALKALINITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14	1189.1429	937.10283	16648	500	3300	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	1	
RADON	500	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADON	500	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	500	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14	1189.1429	937.10283	16648	500	3300	3697	8.682685	216.40147	32100	0.2	12000	-0.35465	0.3146	10	
RADON	500	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14	1189.1429	937.10283	16648	500	3300	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	14	1189.1429	937.10283	16648	500	3300	10397	18.293928	493.01898	190202	1	32000	-0.33764	0.3099	11	
RADON	500	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	14	1189.1429	937.10283	16648	500	3300	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	[illegible]	[illegible]ARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	[illegible]N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273278	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	[illegible]	[illegible]ARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	[illegible]	[illegible]1429	937.10283	16648	500	3300	19173	53.91325	102.63829	1033679	0.2	12000	-0.[illegible]	[illegible].3256	10	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]nts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14	1189.1429	937.10283	16648	500	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14	1189.1429	937.10283	16648	500	3300	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	500	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADON	500	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	500	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14	1189.1429	937.10283	16648	500	3300	13507	4.19948	113.72045	56722	0.05	12000	-0.03728	0.9186	10	
RADON	500	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14	1189.1429	937.10283	16648	500	3300	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14	1189.1429	937.10283	16648	500	3300	20131	4.525946	98.232558	91112	0.01	12000	-0.21004	0.5603	10	
RADON	500	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14	1189.1429	937.10283	16648	500	3300	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14	1189.1429	937.10283	16648	500	3300	17823	7.326853	100.60661	130587	0.01	12000	0.23873	0.5065	10	
RADON	500	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14	1189.1429	937.10283	16648	500	3300	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14	1189.1429	937.10283	16648	500	3300	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14	1189.1429	937.10283	16648	500	3300	151404	835.24242	7585.0802	126459043	1	2400000	-0.17581	0.6051	11	
RADON	500	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14	1189.1429	937.10283	16648	500	3300	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14	1189.1429	937.10283	16648	500	3300	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	500	DEPTH-BELOW-LAN	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	500	DEPTH-BELOW-LAN	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14	1189.1429	937.10283	16648	500	3300	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	500	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADON	500	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14	1189.1429	937.10283	16648	500	3300	83235	542.51758	153897	45156451	0.1	44400000	-0.19229	0.5946	10	
RADON	500	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADON	500	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14	1189.1429	937.10283	16648	500	3300	45639	642.85223	3429.8776	29339133	3	322000	-0.13696	0.688	11	
RADON	500	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADON	500	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14	1189.1429	937.10283	16648	500	3300	58733	243.24843	454.78754	14286710	1	17000	0.01636	0.9619	11	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14	1189.1429	937.10283	16648	500	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14	1189.1429	937.10283	16648	500	3300	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14	1189.1429	937.10283	16648	500	3300	43140	5389.2633	68858	232492818	0.1	2750000	-0.32804	0.3247	11	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	14	1189.1429	937.10283	16648	500	3300	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2367.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14	1189.1429	937.10283	16648	500	3300	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14	1189.1429	937.10283	16648	500	3300	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14	1189.1429	937.10283	16648	500	3300	42074	243.3273	2387.0571	10237753	0.01	151000	-0.44863	0.1934	10	
RADON	500	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADON	500	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	500	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14	1189.1429	937.10283	16648	500	3300	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	9	
RADON	500	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14	1189.1429	937.10283	16648	500	3300	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14	1189.1429	937.10283	16648	500	3300	19215	76.162741	672.33574	1463467	0.5	17000	0.23873	0.5065	10	
RADON	500	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14	1189.1429	937.10283	16648	500	3300	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	500	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	500	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	14	1189.1429	937.10283	16648	500	3300	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14	1189.1429	937.10283	16648	500	3300	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	11	
RADON	500	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14	1189.1429	937.10283	16648	500	3300	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	500	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568876	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADON	500	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14	1189.1429	937.10283	16648	500	3300	99613	7.568876	0.845555	753938	0.1	14	-0.18661	0.5827	11	
RADON	500	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	14	1189.1429	937.10283	16648	500	3300	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	14	1189.1429	937.10283	16648	500	3300	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	14	1189.1429	937.10283	16648	500	3300	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14	1189.1429	937.10283	16648	500	3300	15132	5.739795	49.016961	86855	1	3000	0.78369	0.0073	10	*
RADON	500	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14	1189.1429	937.10283	16648	500	3300	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	500	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADON	500	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	14	1189.1429	937.10283	16648	500	3300	61449	203.15791	972.75089	12483850	0.01	64000	0.25396	0.4511	11	
RADON	500	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14	1189.1429	937.10283	16648	500	3300	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14	1189.1429	937.10283	16648	500	3300	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	500	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	500	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	14	1189.1429	937.10283	16648	500	3300	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	500	URANIUM-235	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	500	URANIUM-235	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	14	1189.1429	937.10283	16648	500	3300	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	1	
RADON	500	URANIUM-238	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	500	URANIUM-238	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14	1189.1429	937.10283	16648	500	3300	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	1	
RADON	[illegible]	[illegible]ELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	[illegible]	[illegible]/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N[illegible]	[illegible]N/A	0	
RADON	[illegible]	[illegible]ELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	[illegible]	[illegible]1429	937.10283	16648	500	3300	581	398.67981	390.97008	231633	3	1980	#N[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	ALKALINITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	1000	ALKALINITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4	2500	730.29674	10000	1700	3300	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4	2500	730.29674	10000	1700	3300	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	3	
RADON	1000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4	2500	730.29674	10000	1700	3300	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	1000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADON	1000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	1000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4	2500	730.29674	10000	1700	3300	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	3	
RADON	1000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4	2500	730.29674	10000	1700	3300	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975817	689323	5	3000	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4	2500	730.29674	10000	1700	3300	19173	53.91325	102.63829	1033679	0.2	12000	0.0099	0.9937	3	
RADON	1000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4	2500	730.29674	10000	1700	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4	2500	730.29674	10000	1700	3300	7990	86.273276	96.975817	689323	5	3000	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4	2500	730.29674	10000	1700	3300	13507	4.19948	113.72045	56722	0.05	12000	-0.97072	0.1544	3	
RADON	1000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4	2500	730.29674	10000	1700	3300	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4	2500	730.29674	10000	1700	3300	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	3	
RADON	1000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4	2500	730.29674	10000	1700	3300	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4	2500	730.29674	10000	1700	3300	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	3	
RADON	1000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4	2500	730.29674	10000	1700	3300	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4	2500	730.29674	10000	1700	3300	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4	2500	730.29674	10000	1700	3300	151404	835.24242	7585.0802	126459043	1	2400000	-0.74415	0.4657	3	
RADON	1000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4	2500	730.29674	10000	1700	3300	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4	2500	730.29674	10000	1700	3300	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	1000	DEPTH-BELOW-LAN	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	1000	DEPTH-BELOW-LAN	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	4	2500	730.29674	10000	1700	3300	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	1000	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADON	1000	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	4	2500	730.29674	10000	1700	3300	83235	542.51758	153897	45156451	0.1	44400000	0.56533	0.6175	3	
RADON	1000	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADON	1000	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4	2500	730.29674	10000	1700	3300	45639	642.85223	3429.8776	29339133	3	322000	-0.78062	0.4298	3	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADON	1000	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4	2500	730.29674	10000	1700	3300	58733	243.24843	454.78754	14286710	1	17000	-0.8868	0.3058	3	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4	2500	730.29674	10000	1700	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4	2500	730.29674	10000	1700	3300	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4	2500	730.29674	10000	1700	3300	43140	5389.2633	68858	232492818	0.1	2750000	0.69338	0.5122	3	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	4	2500	730.29674	10000	1700	3300	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4	2500	730.29674	10000	1700	3300	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4	2500	730.29674	10000	1700	3300	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4	2500	730.29674	10000	1700	3300	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	3	
RADON	1000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADON	1000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	1000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4	2500	730.29674	10000	1700	3300	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	3	
RADON	1000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4	2500	730.29674	10000	1700	3300	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4	2500	730.29674	10000	1700	3300	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	3	
RADON	1000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4	2500	730.29674	10000	1700	3300	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	1000	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	1000	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4	2500	730.29674	10000	1700	3300	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4	2500	730.29674	10000	1700	3300	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	3	
RADON	1000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4	2500	730.29674	10000	1700	3300	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
RADON	1000	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADON	1000	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4	2500	730.29674	10000	1700	3300	99613	7.568676	0.845555	753938	0.1	14	-0.12453	0.9205	3	
RADON	1000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026844	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4	2500	730.29674	10000	1700	3300	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4	2500	730.29674	10000	1700	3300	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4	2500	730.29674	10000	1700	3300	578	0.026844	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	1000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADON	1000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	[illegible]	[illegible]ELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	[illegible]	2500	730.29674	10000	1700	3300	15132	5.739795	49.016961	86855	1	3000	0.56[illegible]	0.6203	3	
RADON	[illegible]	[illegible]ELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	[illegible]	2500	730.29674	10000	1700	3300	7729	6.108779	70.618386	47215	1	5800	#[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADON	1000	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	4	2500	730.29674	10000	1700	3300	61449	203.15791	972.75089	12483850	0.01	64000	-0.99831	0.037	3	*
RADON	1000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	1000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	1000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4	2500	730.29674	10000	1700	3300	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	1000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4	2500	730.29674	10000	1700	3300	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	1000	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	1000	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	4	2500	730.29674	10000	1700	3300	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	1000	URANIUM-235	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	1000	URANIUM-235	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4	2500	730.29674	10000	1700	3300	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	1000	URANIUM-238	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	1000	URANIUM-238	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4	2500	730.29674	10000	1700	3300	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	4	2500	730.29674	10000	1700	3300	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADON	3000	ALKALINITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	3000	ALKALINITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	3300	#N/A	3300	3300	3300	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	3300	#N/A	3300	3300	3300	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	1	
RADON	3000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	3300	#N/A	3300	3300	3300	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	3300	#N/A	3300	3300	3300	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	1	
RADON	3000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	3300	#N/A	3300	3300	3300	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	3300	#N/A	3300	3300	3300	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	1	
RADON	3000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	3300	#N/A	3300	3300	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	3300	#N/A	3300	3300	3300	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	3300	#N/A	3300	3300	3300	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	1	
RADON	3000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	3300	#N/A	3300	3300	3300	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	3300	#N/A	3300	3300	3300	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	1	
RADON	3000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	3300	#N/A	3300	3300	3300	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	3300	#N/A	3300	3300	3300	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	1	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	3300	#N/A	3300	3300	3300	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	3300	#N/A	3300	3300	3300	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	3300	#N/A	3300	3300	3300	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	1	
RADON	3000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	3300	#N/A	3300	3300	3300	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	3300	#N/A	3300	3300	3300	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
RADON	3000	DEPTH-BELOW-LAN	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	3000	DEPTH-BELOW-LAN	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	3300	#N/A	3300	3300	3300	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
RADON	3000	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
RADON	3000	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	3300	#N/A	3300	3300	3300	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	1	
RADON	3000	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
RADON	3000	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	3300	#N/A	3300	3300	3300	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	1	
RADON	3000	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
RADON	3000	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	3300	#N/A	3300	3300	3300	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	1	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	3300	#N/A	3300	3300	3300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	3300	#N/A	3300	3300	3300	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	3300	#N/A	3300	3300	3300	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	1	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	1	3300	#N/A	3300	3300	3300	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	3300	#N/A	3300	3300	3300	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	3300	#N/A	3300	3300	3300	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	3300	#N/A	3300	3300	3300	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	1	
RADON	3000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
RADON	3000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	3000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	3300	#N/A	3300	3300	3300	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	1	
RADON	3000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	3300	#N/A	3300	3300	3300	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	3300	#N/A	3300	3300	3300	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	1	
RADON	3000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	3300	#N/A	3300	3300	3300	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
RADON	3000	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	3000	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	3300	#N/A	3300	3300	3300	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
RADON	[illegible]	[illegible]TRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	[illegible]	[illegible]N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.176812	1682.36412	0.001	7.1	#N/A	[illegible]	#N/A	0	
RADON	[illegible]	[illegible]TRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	[illegible]	[illegible]A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#[illegible]	[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	3300	#N/A	3300	3300	3300	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	1	
RADON	3000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	3300	#N/A	3300	3300	3300	10597	0.022854	0.115399	242.179116	0.001	10.121667	#N/A	#N/A	0	
RADON	3000	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
RADON	3000	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	3300	#N/A	3300	3300	3300	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	1	
RADON	3000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	3300	#N/A	3300	3300	3300	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	3300	#N/A	3300	3300	3300	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	3300	#N/A	3300	3300	3300	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	3300	#N/A	3300	3300	3300	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	1	
RADON	3000	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	3300	#N/A	3300	3300	3300	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
RADON	3000	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
RADON	3000	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	3300	#N/A	3300	3300	3300	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	1	
RADON	3000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	3300	#N/A	3300	3300	3300	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	3300	#N/A	3300	3300	3300	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
RADON	3000	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	3000	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	1	3300	#N/A	3300	3300	3300	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
RADON	3000	URANIUM-235	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	3000	URANIUM-235	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	3300	#N/A	3300	3300	3300	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
RADON	3000	URANIUM-238	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	3000	URANIUM-238	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	3300	#N/A	3300	3300	3300	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
RADON	3000	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
RADON	3000	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1	3300	#N/A	3300	3300	3300	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
SELENIUM	0	ALKALINITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	15132	5.739795	49.016961	86855	1	3000	8351	141.86443	79.888743	1184710	0.9	1800	0.0278	0.2305	1882	
SELENIUM	0	ALKALINITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7729	6.108779	70.618386	47215	1	5800	8351	141.86443	79.888743	1184710	0.9	1800	-0.00297	0.9357	743	
SELENIUM	0	CONDUCTANCE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	15132	5.739795	49.016961	86855	1	3000	151404	835.24242	7585.0802	126459043	1	2400000	0.12823	0.0001	14670	*
SELENIUM	0	CONDUCTANCE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7729	6.108779	70.618386	47215	1	5800	151404	835.24242	7585.0802	126459043	1	2400000	0.33291	0.0001	7335	*
SELENIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	15132	5.739795	49.016961	86855	1	3000	176	43.107191	64.532141	7673.08	0.01	544	1	#N/A	2	
SELENIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7729	6.108779	70.618386	47215	1	5800	176	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
SELENIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	15132	5.739795	49.016961	86855	1	3000	83235	542.51758	153897	45156451	0.1	44400000	-0.00661	0.4704	11908	
SELENIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7729	6.108779	70.618386	47215	1	5800	83235	542.51758	153897	45156451	0.1	44400000	0.0694	0.0001	6341	*
SELENIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	15132	5.739795	49.016961	86855	1	3000	45639	642.85223	3429.8776	29339133	3	322000	0.11829	0.0001	12473	*
SELENIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7729	6.108779	70.618386	47215	1	5800	45639	642.85223	3429.8776	29339133	3	322000	0.44376	0.0001	5388	*
SELENIUM	0	HARDNESS	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	15132	5.739795	49.016961	86855	1	3000	58733	243.24843	454.78754	14286710	1	17000	0.21473	0.0001	13800	*
SELENIUM	0	HARDNESS	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	7729	6.108779	70.618386	47215	1	5800	58733	243.24843	454.78754	14286710	1	17000	0.52915	0.0001	6488	*
SELENIUM	0	PH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	15132	5.739795	49.016961	86855	1	3000	99613	7.568676	0.845555	753938	0.1	14	-0.01464	0.0783	14468	
SELENIUM	0	PH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7729	6.108779	70.618386	47215	1	5800	99613	7.568676	0.845555	753938	0.1	14	0.12761	0.0001	7164	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	0	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	15132	5.739795	49.016961	86855	1	3000	352	30.269574	23.93811	10655	0.1	50	0.69425	0.0001	300	*
SELENIUM	0	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	15132	5.739795	49.016961	86855	1	3000	1005	21.559701	50.912504	21668	1	500	0.01011	0.9445	50	
SELENIUM	0	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7729	6.108779	70.618386	47215	1	5800	352	30.269574	23.93811	10655	0.1	50	0.32218	0.0048	75	*
SELENIUM	0	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7729	6.108779	70.618386	47215	1	5800	1005	21.559701	50.912504	21668	1	500	0.1563	0.0001	958	*
SELENIUM	0	TURBIDITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	15132	5.739795	49.016961	86855	1	3000	34709	38.379662	405.66108	1332120	0.1	36500	0.03633	0.0027	6797	*
SELENIUM	0	TURBIDITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	7729	6.108779	70.618386	47215	1	5800	34709	38.379662	405.66108	1332120	0.1	36500	0.06027	0.0016	2751	*
SELENIUM	0	WELL-DEPTH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	15132	5.739795	49.016961	86855	1	3000	581	398.67981	390.97008	231633	3	1980	-0.60067	0.2074	6	
SELENIUM	0	WELL-DEPTH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	7729	6.108779	70.618386	47215	1	5800	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
SELENIUM	50	ALKALINITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	298	147.83893	316.35199	44056	50	3000	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
SELENIUM	50	ALKALINITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	165	177.79394	451.48849	29336	50	5800	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	298	147.83893	316.35199	44056	50	3000	3697	8.682685	216.40147	32100	0.2	12000	0.87115	0.0022	9	*
SELENIUM	50	ANTIMONY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	298	147.83893	316.35199	44056	50	3000	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	165	177.79394	451.48849	29336	50	5800	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	165	177.79394	451.48849	29336	50	5800	969	27.159099	88.389881	26317	1	350	-1	0.0001	18	*
SELENIUM	50	ARSENIC	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	298	147.83893	316.35199	44056	50	3000	10397	18.293928	493.01898	190202	1	32000	0.16252	0.4086	28	
SELENIUM	50	ARSENIC	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	298	147.83893	316.35199	44056	50	3000	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	13	
SELENIUM	50	ARSENIC	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	165	177.79394	451.48849	29336	50	5800	10397	18.293928	493.01898	190202	1	32000	0.68139	0.0052	15	*
SELENIUM	50	ARSENIC	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	165	177.79394	451.48849	29336	50	5800	9000	8.138151	50.541445	73243	1	3100	-0.88929	0.0001	33	*
SELENIUM	50	BARIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	298	147.83893	316.35199	44056	50	3000	19173	53.91325	102.63829	1033679	0.2	12000	0.40117	0.0422	26	*
SELENIUM	50	BARIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	298	147.83893	316.35199	44056	50	3000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	298	147.83893	316.35199	44056	50	3000	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	2	
SELENIUM	50	BARIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	165	177.79394	451.48849	29336	50	5800	19173	53.91325	102.63829	1033679	0.2	12000	0.44713	0.0947	15	
SELENIUM	50	BARIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	165	177.79394	451.48849	29336	50	5800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	165	177.79394	451.48849	29336	50	5800	7990	86.273276	96.975617	689323	5	3000	0.06136	0.9219	5	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	298	147.83893	316.35199	44056	50	3000	13507	4.19948	113.72045	56722	0.05	12000	0.33199	0.2678	13	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	298	147.83893	316.35199	44056	50	3000	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	165	177.79394	451.48849	29336	50	5800	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	165	177.79394	451.48849	29336	50	5800	9762	3.45088	8.24248	33687	0.5	710	-1	0.0001	18	*
SELENIUM	50	CADMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	298	147.83893	316.35199	44056	50	3000	20131	4.525946	98.232558	91112	0.01	12000	0.40147	0.0379	27	*
SELENIUM	50	CADMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	298	147.83893	316.35199	44056	50	3000	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	13	
SELENIUM	50	CADMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	165	177.79394	451.48849	29336	50	5800	20131	4.525946	98.232558	91112	0.01	12000	-0.9993	0.0001	19	*
SELENIUM	50	CADMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	165	177.79394	451.48849	29336	50	5800	16049	2.254265	3.179993	36179	1	140	-0.4785	0.0049	33	*
SELENIUM	50	CHROMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	298	147.83893	316.35199	44056	50	3000	17823	7.326853	100.60661	130587	0.01	12000	0.39858	0.0395	27	*
SELENIUM	50	CHROMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	298	147.83893	316.35199	44056	50	3000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	298	147.83893	316.35199	44056	50	3000	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	13	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	165	177.79394	451.48849	29336	50	5800	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	15	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	165	177.79394	451.48849	29336	50	5800	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	165	177.79394	451.48849	29336	50	5800	14432	5.940315	14.892349	85731	1	765	-0.47782	0.0049	33	*
SELENIUM	50	CONDUCTANCE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	298	147.83893	316.35199	44056	50	3000	151404	835.24242	7585.0802	126459043	1	2400000	0.06512	0.2673	292	
SELENIUM	50	CONDUCTANCE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	165	177.79394	451.48849	29336	50	5800	151404	835.24242	7585.0802	126459043	1	2400000	0.22011	0.0053	159	*
SELENIUM	[illegible]	[illegible]YANIDE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	298	[illegible]83893	316.35199	44056	50	3000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	[illegible]/A	0	
SELENIUM	[illegible]	[illegible]ANIDE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	29[illegible]	[illegible]893	316.35199	44056	50	3000	307	0.052834	0.444387	16.22	0.01	6	#N/A	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]nts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	CYANIDE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	165	177.79394	451.48849	29336	50	5800	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	7	
SELENIUM	50	CYANIDE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	165	177.79394	451.48849	29336	50	5800	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
SELENIUM	50	DEPTH-BELOW-LAN	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	298	147.83893	316.35199	44056	50	3000	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	1	
SELENIUM	50	DEPTH-BELOW-LAN	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	165	177.79394	451.48849	29336	50	5800	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-OXYGE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	298	147.83893	316.35199	44056	50	3000	83235	542.51758	153897	45156451	0.1	44400000	-0.16219	0.2413	54	
SELENIUM	50	DISSOLVED-OXYGE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	165	177.79394	451.48849	29336	50	5800	83235	542.51758	153897	45156451	0.1	44400000	0.18362	0.0475	117	*
SELENIUM	50	DISSOLVED-SOLID	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	298	147.83893	316.35199	44056	50	3000	45639	642.85223	3429.8776	29339133	3	322000	0.05896	0.4969	135	
SELENIUM	50	DISSOLVED-SOLID	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	165	177.79394	451.48849	29336	50	5800	45639	642.85223	3429.8776	29339133	3	322000	0.13857	0.1264	123	
SELENIUM	50	HARDNESS	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	298	147.83893	316.35199	44056	50	3000	58733	243.24843	454.78754	14286710	1	17000	0.14593	0.0788	146	
SELENIUM	50	HARDNESS	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	165	177.79394	451.48849	29336	50	5800	58733	243.24843	454.78754	14286710	1	17000	0.20302	0.0196	132	*
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	298	147.83893	316.35199	44056	50	3000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	298	147.83893	316.35199	44056	50	3000	16528	3675.8675	37212	60754738	10	2800000	0.26653	0.3011	17	
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	298	147.83893	316.35199	44056	50	3000	43140	5389.2633	68858	232492818	0.1	2750000	-0.0273	0.8708	38	
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	298	147.83893	316.35199	44056	50	3000	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	165	177.79394	451.48849	29336	50	5800	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	165	177.79394	451.48849	29336	50	5800	16528	3675.8675	37212	60754738	10	2800000	-0.94493	0.0001	26	*
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	165	177.79394	451.48849	29336	50	5800	43140	5389.2633	68858	232492818	0.1	2750000	-0.61885	0.0139	15	*
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	165	177.79394	451.48849	29336	50	5800	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	298	147.83893	316.35199	44056	50	3000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	298	147.83893	316.35199	44056	50	3000	15168	581.52304	3916.8679	8820541	1	160000	0.56769	0.0175	17	*
SELENIUM	50	MANGANESE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	298	147.83893	316.35199	44056	50	3000	42074	243.3273	2387.0571	10237753	0.01	151000	0.0491	0.7729	37	
SELENIUM	50	MANGANESE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	165	177.79394	451.48849	29336	50	5800	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	165	177.79394	451.48849	29336	50	5800	15168	581.52304	3916.8679	8820541	1	160000	-0.94306	0.0001	26	*
SELENIUM	50	MANGANESE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	165	177.79394	451.48849	29336	50	5800	42074	243.3273	2387.0571	10237753	0.01	151000	0.11411	0.6855	15	
SELENIUM	50	MERCURY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	298	147.83893	316.35199	44056	50	3000	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	1	
SELENIUM	50	MERCURY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	298	147.83893	316.35199	44056	50	3000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
SELENIUM	50	MERCURY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	165	177.79394	451.48849	29336	50	5800	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
SELENIUM	50	MERCURY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	165	177.79394	451.48849	29336	50	5800	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-1	0.0001	18	*
SELENIUM	50	NICKEL	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	298	147.83893	316.35199	44056	50	3000	19215	76.162741	672.33574	1463467	0.5	17000	0.40111	0.0381	27	*
SELENIUM	50	NICKEL	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	298	147.83893	316.35199	44056	50	3000	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	13	
SELENIUM	50	NICKEL	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	165	177.79394	451.48849	29336	50	5800	19215	76.162741	672.33574	1463467	0.5	17000	0.07143	0.8003	15	
SELENIUM	50	NICKEL	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	165	177.79394	451.48849	29336	50	5800	12890	18.184867	47.752014	234403	1	2400	0.37365	0.0322	33	*
SELENIUM	50	NITRATE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	298	147.83893	316.35199	44056	50	3000	27516	2.33807	13.946496	64334	0.001	1800	0.7768	0.0001	27	*
SELENIUM	50	NITRATE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	165	177.79394	451.48849	29336	50	5800	27516	2.33807	13.946496	64334	0.001	1800	0.9846	0.0154	4	*
SELENIUM	50	NITRITE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	298	147.83893	316.35199	44056	50	3000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.27078	0.1554	29	
SELENIUM	50	NITRITE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	298	147.83893	316.35199	44056	50	3000	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	4	
SELENIUM	50	NITRITE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	165	177.79394	451.48849	29336	50	5800	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.99347	0.0001	13	*
SELENIUM	50	NITRITE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	165	177.79394	451.48849	29336	50	5800	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
SELENIUM	50	PH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	298	147.83893	316.35199	44056	50	3000	99613	7.568676	0.845555	753938	0.1	14	-0.14568	0.0138	285	*
SELENIUM	50	PH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	165	177.79394	451.48849	29336	50	5800	99613	7.568676	0.845555	753938	0.1	14	0.27951	0.0003	160	*
SELENIUM	50	RADIUM-226	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	298	147.83893	316.35199	44056	50	3000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	298	147.83893	316.35199	44056	50	3000	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	RADIUM-226	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	298	147.83893	316.35199	44056	50	3000	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	165	177.79394	451.48849	29336	50	5800	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	165	177.79394	451.48849	29336	50	5800	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	165	177.79394	451.48849	29336	50	5800	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
SELENIUM	50	RADON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P76002	RADON 222-PE-P76002-(PCI/L)	298	147.83893	316.35199	44056	50	3000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	1	
SELENIUM	50	RADON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	298	147.83893	316.35199	44056	50	3000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	1	
SELENIUM	50	RADON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P76002	RADON 222-PE-P76002-(PCI/L)	165	177.79394	451.48849	29336	50	5800	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
SELENIUM	50	RADON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	165	177.79394	451.48849	29336	50	5800	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
SELENIUM	50	SULFATE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	298	147.83893	316.35199	44056	50	3000	61449	203.15791	972.75089	12483850	0.01	64000	0.02866	0.7286	149	
SELENIUM	50	SULFATE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	165	177.79394	451.48849	29336	50	5800	61449	203.15791	972.75089	12483850	0.01	64000	0.22398	0.0072	143	*
SELENIUM	50	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	298	147.83893	316.35199	44056	50	3000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	4	
SELENIUM	50	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	298	147.83893	316.35199	44056	50	3000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	165	177.79394	451.48849	29336	50	5800	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	165	177.79394	451.48849	29336	50	5800	1005	21.559701	50.912504	21668	1	500	-0.99986	0.0001	18	*
SELENIUM	50	TURBIDITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	298	147.83893	316.35199	44056	50	3000	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	1	
SELENIUM	50	TURBIDITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	165	177.79394	451.48849	29336	50	5800	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
SELENIUM	50	URANIUM-235	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	298	147.83893	316.35199	44056	50	3000	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
SELENIUM	50	URANIUM-235	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	165	177.79394	451.48849	29336	50	5800	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
SELENIUM	50	URANIUM-238	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	298	147.83893	316.35199	44056	50	3000	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
SELENIUM	50	URANIUM-238	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	165	177.79394	451.48849	29336	50	5800	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
SELENIUM	50	WELL-DEPTH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	298	147.83893	316.35199	44056	50	3000	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	1	
SELENIUM	50	WELL-DEPTH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	165	177.79394	451.48849	29336	50	5800	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
SULFATE	0	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	61449	203.15791	972.75089	12483850	0.01	64000	8351	141.86443	79.888743	1184710	0.9	1800	0.07393	0.0001	7653	*
SULFATE	0	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	61449	203.15791	972.75089	12483850	0.01	64000	3697	8.682685	216.40147	32100	0.2	12000	0.72839	0.0001	3511	*
SULFATE	0	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	61449	203.15791	972.75089	12483850	0.01	64000	969	27.159099	88.389881	26317	1	350	-0.13717	0.0006	631	*
SULFATE	0	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	61449	203.15791	972.75089	12483850	0.01	64000	19173	53.91325	102.63829	1033679	0.2	12000	0.43903	0.0001	16742	*
SULFATE	0	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	61449	203.15791	972.75089	12483850	0.01	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	61449	203.15791	972.75089	12483850	0.01	64000	7090	88.273276	96.975617	689323	5	3000	0.02112	0.1079	5795	
SULFATE	0	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	61449	203.15791	972.75089	12483850	0.01	64000	13507	4.19948	113.72045	56722	0.05	12000	0.5377	0.0001	11061	*
SULFATE	0	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	61449	203.15791	972.75089	12483850	0.01	64000	9762	3.45088	8.24248	33687	0.5	710	0.03332	0.0041	7418	*
SULFATE	0	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	61449	203.15791	972.75089	12483850	0.01	64000	20131	4.525946	98.232558	91112	0.01	12000	0.49666	0.0001	16675	*
SULFATE	0	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	61449	203.15791	972.75089	12483850	0.01	64000	16049	2.254265	3.179993	36179	1	140	0.21352	0.0001	12409	*
SULFATE	0	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	61449	203.15791	972.75089	12483850	0.01	64000	17823	7.326853	100.60661	130587	0.01	12000	0.55116	0.0001	15101	*
SULFATE	0	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	61449	203.15791	972.75089	12483850	0.01	64000	880	1.170455	1.484249	1030	1	20	-0.02224	0.5202	838	
SULFATE	0	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	61449	203.15791	972.75089	12483850	0.01	64000	14432	5.940315	14.892349	85731	1	765	0.01896	0.0435	11341	*
SULFATE	0	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	61449	203.15791	972.75089	12483850	0.01	64000	151404	835.24242	7585.0802	126459043	1	2400000	0.65863	0.0001	53834	*
SULFATE	0	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	61449	203.15791	972.75089	12483850	0.01	64000	4413	0.026723	0.713462	117.928667	0.001	42	-0.00288	0.8563	3954	
SULFATE	0	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	61449	203.15791	972.75089	12483850	0.01	64000	307	0.052834	0.444387	16.22	0.01	6	-0.02275	0.7236	244	
SULFATE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	61449	203.15791	972.75089	12483850	0.01	64000	178	43.107191	64.532141	7673.08	0.01	544	-0.11455	0.6844	15	
SULFATE	0	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	61449	203.15791	972.75089	12483850	0.01	64000	83235	542.51758	153897	45156451	0.1	44400000	0.00162	0.7208	48501	
SULFATE	[illegible]	ISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	61449	[illegible]	972.75089	12483850	0.01	64000	45639	642.85223	3429.8776	29339133	3	322000	0.54[illegible]	0.0001	45638	*
SULFATE	[illegible]	RDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	614[illegible]	[illegible]	972.75089	12483850	0.01	64000	58733	243.24843	454.78754	14286710	1	17000	0.7[illegible]	[illegible]0001	53760	*

Appendix E-threshold. National Correlation analysis. Correla[illegible]ients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	61449	203.15791	972.75089	12483850	0.01	64000	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	61449	203.15791	972.75089	12483850	0.01	64000	16528	3675.6675	37212	60754738	10	2800000	0.65361	0.0001	12307	*
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	61449	203.15791	972.75089	12483850	0.01	64000	43140	5389.2633	68858	232492818	0.1	2750000	0.64468	0.0001	39521	*
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	61449	203.15791	972.75089	12483850	0.01	64000	160	49223	258519	7875716	0.02	2440000	0.93004	0.0001	157	*
SULFATE	0	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	61449	203.15791	972.75089	12483850	0.01	64000	7	1.71429	0.48795	12	1	2	-0.32897	0.4712	7	
SULFATE	0	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	61449	203.15791	972.75089	12483850	0.01	64000	15168	581.52304	3918.8679	8820541	1	160000	0.36871	0.0001	11634	*
SULFATE	0	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	61449	203.15791	972.75089	12483850	0.01	64000	42074	243.3273	2387.0571	10237753	0.01	151000	0.20916	0.0001	38430	*
SULFATE	0	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	61449	203.15791	972.75089	12483850	0.01	64000	5608	0.136363	0.791919	764.723333	0.1	50	0.00606	0.664	5135	
SULFATE	0	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	61449	203.15791	972.75089	12483850	0.01	64000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.03545	0.0008	8959	*
SULFATE	0	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	61449	203.15791	972.75089	12483850	0.01	64000	19215	76.162741	672.33574	1463467	0.5	17000	0.70472	0.0001	16599	*
SULFATE	0	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	61449	203.15791	972.75089	12483850	0.01	64000	12890	18.184867	47.752014	234403	1	2400	0.45571	0.0001	10000	*
SULFATE	0	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	61449	203.15791	972.75089	12483850	0.01	64000	27516	2.33807	13.946496	64334	0.001	1800	0.0489	0.0001	19654	*
SULFATE	0	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	61449	203.15791	972.75089	12483850	0.01	64000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.05903	0.0001	36116	*
SULFATE	0	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	61449	203.15791	972.75089	12483850	0.01	64000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.03012	0.0266	5420	*
SULFATE	0	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	61449	203.15791	972.75089	12483850	0.01	64000	99813	7.568676	0.845555	753938	0.1	14	-0.11564	0.0001	54847	*
SULFATE	0	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	10	0.11	0.031623	1.1	0.1	0.2	0.11686	0.7478	10	
SULFATE	0	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	624	0.110433	0.221947	68.91	0.02	3	0.1952	0.0001	608	*
SULFATE	0	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	578	0.026644	0.038336	15.4	0.007	0.48	0.19076	0.0001	564	*
SULFATE	0	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	102	37.441176	53.295844	3819	15	330	0.24181	0.0487	67	*
SULFATE	0	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	102	318.25	498.76308	32462	24	3300	0.18289	0.1385	67	
SULFATE	0	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	61449	203.15791	972.75089	12483850	0.01	64000	15132	5.739795	49.016961	86855	1	3000	0.14959	0.0001	13477	*
SULFATE	0	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	61449	203.15791	972.75089	12483850	0.01	64000	7729	6.108779	70.618386	47215	1	5800	0.58098	0.0001	6663	*
SULFATE	0	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	61449	203.15791	972.75089	12483850	0.01	64000	352	30.269574	23.93811	10655	0.1	50	-0.26265	0.0001	344	*
SULFATE	0	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	61449	203.15791	972.75089	12483850	0.01	64000	1005	21.559701	50.912504	21668	1	500	-0.0469	0.1513	938	
SULFATE	0	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	61449	203.15791	972.75089	12483850	0.01	64000	34709	38.379662	405.66108	1332120	0.1	36500	0.01129	0.0996	21275	
SULFATE	0	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	26	0.146154	0.124035	3.8	0.1	0.6	-0.12029	0.5756	24	
SULFATE	0	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	61449	203.15791	972.75089	12483850	0.01	64000	26	2.017692	3.112414	52.46	0.1	12	-0.03752	0.8618	24	
SULFATE	0	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	61449	203.15791	972.75089	12483850	0.01	64000	581	398.67981	390.97008	231633	3	1980	-0.28212	0.2567	18	
SULFATE	25	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	35163	347.54465	1266.8298	12220712	25	64000	8351	141.86443	79.888743	1184710	0.9	1800	-0.07296	0.0001	5232	*
SULFATE	25	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	35163	347.54465	1266.8298	12220712	25	64000	3697	8.682685	216.40147	32100	0.2	12000	0.72971	0.0001	1588	*
SULFATE	25	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	35163	347.54465	1266.8298	12220712	25	64000	969	27.159099	88.389881	26317	1	350	-0.06381	0.2195	372	
SULFATE	25	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	35163	347.54465	1266.8298	12220712	25	64000	10397	18.293928	493.01898	190202	1	32000	0.1854	0.0001	6899	*
SULFATE	25	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	35163	347.54465	1266.8298	12220712	25	64000	9000	8.138151	50.541445	73243	1	3100	-0.00014	0.9922	4722	
SULFATE	25	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	35163	347.54465	1266.8298	12220712	25	64000	19173	53.91325	102.63829	1033679	0.2	12000	0.43542	0.0001	10868	*
SULFATE	25	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	35163	347.54465	1266.8298	12220712	25	64000	0	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	.N/A	0	
SULFATE	25	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	35163	347.54465	1266.8298	12220712	25	64000	7990	86.273276	96.975617	689323	5	3000	0.05834	0.0001	5223	*
SULFATE	25	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	35163	347.54465	1266.8298	12220712	25	64000	13507	4.19948	113.72045	56722	0.05	12000	0.53987	0.0001	7884	*
SULFATE	25	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	35163	347.54465	1266.8298	12220712	25	64000	9762	3.45088	8.24248	33687	0.5	710	0.18209	0.0001	5729	*
SULFATE	25	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	35163	347.54465	1266.8298	12220712	25	64000	20131	4.525946	98.232558	91112	0.01	12000	0.49946	0.0001	10992	*
SULFATE	25	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	35163	347.54465	1266.8298	12220712	25	64000	16049	2.254265	3.179993	36179	1	140	0.18795	0.0001	8140	*
SULFATE	25	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	35163	347.54465	1266.8298	12220712	25	64000	17823	7.326653	100.60661	130587	0.01	12000	0.55389	0.0001	10124	*
SULFATE	25	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	35163	347.54465	1266.8298	12220712	25	64000	880	1.170455	1.484249	1030	1	20	-0.06527	0.0959	652	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	25	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	35163	347.54465	1266.8298	12220712	25	64000	14432	5.940315	14.892349	85731	1	765	0.00488	0.6708	7583	
SULFATE	25	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	35163	347.54465	1266.8298	12220712	25	64000	151404	835.24242	7585.0802	126459043	1	2400000	0.84573	0.0001	30692	*
SULFATE	25	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	35163	347.54465	1266.8298	12220712	25	64000	4413	0.026723	0.713462	117.928667	0.001	42	-0.00478	0.7889	3134	
SULFATE	25	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	35163	347.54465	1266.8298	12220712	25	64000	307	0.052834	0.444387	16.22	0.01	6	-0.04705	0.5072	201	
SULFATE	25	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	35163	347.54465	1266.8298	12220712	25	64000	178	43.107191	64.532141	7673.08	0.01	544	-0.14301	0.6935	10	
SULFATE	25	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	35163	347.54465	1266.8298	12220712	25	64000	83235	542.51758	153897	45156451	0.1	44400000	0.00098	0.8758	25577	
SULFATE	25	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	35163	347.54465	1266.8298	12220712	25	64000	45639	642.85223	3429.8776	29339133	3	322000	0.53036	0.0001	24523	*
SULFATE	25	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	35163	347.54465	1266.8298	12220712	25	64000	58733	243.24843	454.78754	14286710	1	17000	0.77935	0.0001	29758	*
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	35163	347.54465	1266.8298	12220712	25	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	35163	347.54465	1266.8298	12220712	25	64000	16528	3675.8675	37212	60754738	10	2800000	0.673	0.0001	8186	*
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	35163	347.54465	1266.8298	12220712	25	64000	43140	5389.2633	68858	232492818	0.1	2750000	0.64381	0.0001	22127	*
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	35163	347.54465	1266.8298	12220712	25	64000	160	49223	258519	7875716	0.02	2440000	0.93004	0.0001	157	*
SULFATE	25	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	35163	347.54465	1266.8298	12220712	25	64000	7	1.71429	0.48795	12	1	2	-0.32897	0.4712	7	
SULFATE	25	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	35163	347.54465	1266.8298	12220712	25	64000	15168	581.52304	3916.8679	8820541	1	160000	0.36181	0.0001	7787	*
SULFATE	25	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	35163	347.54465	1266.8298	12220712	25	64000	42074	243.3273	2387.0571	10237753	0.01	151000	0.20071	0.0001	21301	*
SULFATE	25	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	35163	347.54465	1266.8298	12220712	25	64000	5608	0.136363	0.791919	764.723333	0.1	50	0.0045	0.7754	4027	
SULFATE	25	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	35163	347.54465	1266.8298	12220712	25	64000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.08222	0.0001	5912	*
SULFATE	25	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	35163	347.54465	1266.8298	12220712	25	64000	19215	76.162741	672.33574	1463467	0.5	17000	0.7026	0.0001	10620	*
SULFATE	25	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	35163	347.54465	1266.8298	12220712	25	64000	12890	18.184867	47.752014	234403	1	2400	0.44909	0.0001	7049	*
SULFATE	25	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	35163	347.54465	1266.8298	12220712	25	64000	27516	2.33807	13.948496	64334	0.001	1800	0.12556	0.0001	10604	*
SULFATE	25	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	35163	347.54465	1266.8298	12220712	25	64000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.03097	0.0001	17393	*
SULFATE	25	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	35163	347.54465	1266.8298	12220712	25	64000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.00949	0.6656	2076	
SULFATE	25	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	35163	347.54465	1266.8298	12220712	25	64000	99613	7.568676	0.845555	753938	0.1	14	-0.20505	0.0001	29891	*
SULFATE	25	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	10	0.11	0.031623	1.1	0.1	0.2	0.07823	0.8415	9	
SULFATE	25	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	624	0.110433	0.221947	68.91	0.02	3	0.47143	0.0001	186	*
SULFATE	25	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	578	0.026844	0.038336	15.4	0.007	0.48	0.37699	0.0001	178	*
SULFATE	25	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	102	37.441176	53.295844	3819	15	330	0.19981	0.1514	53	
SULFATE	25	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	102	318.25	498.76308	32462	24	3300	0.12917	0.3566	53	
SULFATE	25	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	35163	347.54465	1266.8298	12220712	25	64000	15132	5.739795	49.016961	86855	1	3000	0.14561	0.0001	9107	*
SULFATE	25	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	35163	347.54465	1266.8298	12220712	25	64000	7729	6.108779	70.618386	47215	1	5800	0.59859	0.0001	4403	*
SULFATE	25	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	35163	347.54465	1266.8298	12220712	25	64000	352	30.269574	23.93811	10655	0.1	50	-0.23436	0.0052	141	*
SULFATE	25	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	35163	347.54465	1266.8298	12220712	25	64000	1005	21.559701	50.912504	21666	1	500	0.01146	0.6222	387	
SULFATE	25	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	35163	347.54465	1266.8298	12220712	25	64000	34709	38.379662	405.66108	1332120	0.1	38500	0.01639	0.0541	13820	
SULFATE	25	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	26	0.146154	0.124035	3.8	0.1	0.6	-0.19997	0.5332	12	
SULFATE	25	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	35163	347.54465	1266.8298	12220712	25	64000	26	2.017692	3.112414	52.46	0.1	12	-0.13878	0.6671	12	
SULFATE	25	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	35163	347.54465	1266.8298	12220712	25	64000	581	398.67981	390.97008	231833	3	1980	-0.40237	0.1947	12	
SULFATE	120	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14425	766.38874	1901.0309	11055158	120	64000	8351	141.86443	79.888743	1184710	0.9	1800	-0.09957	0.0001	1913	*
SULFATE	120	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14425	766.38874	1901.0309	11055158	120	64000	3697	8.682685	216.40147	32100	0.2	12000	0.73095	0.0001	723	*
SULFATE	120	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14425	766.38874	1901.0309	11055158	120	64000	969	27.159099	88.389881	26317	1	350	-0.09876	0.2245	153	
SULFATE	120	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	14425	766.38874	1901.0309	11055158	120	64000	10397	18.293928	493.01898	190202	1	32000	0.19307	0.0001	3971	*
SULFATE	120	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	14425	766.38874	1901.0309	11055158	120	64000	9000	8.138151	50.541445	73243	1	3100	-0.02723	0.2901	1511	
SULFATE	[illegible]	[illegible]RIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	14[illegible]	[illegible]8874	1901.0309	11055158	120	64000	19173	53.91325	102.63829	1033679	0.2	12000	0[illegible]	[illegible].0001	4004	*

Appendix E-threshold. National Correlation analysis. Correla[illegible]ients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	120	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14425	766.38874	1901.0309	11055158	120	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14425	766.38874	1901.0309	11055158	120	64000	7990	86.273276	96.975617	689323	5	3000	0.0833	0.0013	1478	*
SULFATE	120	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14425	766.38874	1901.0309	11055158	120	64000	13507	4.19948	113.72045	56722	0.05	12000	0.55094	0.0001	2563	*
SULFATE	120	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14425	766.38874	1901.0309	11055158	120	64000	9762	3.45088	8.24248	33687	0.5	710	0.21302	0.0001	1291	*
SULFATE	120	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14425	766.38874	1901.0309	11055158	120	64000	20131	4.525946	98.232558	91112	0.01	12000	0.5356	0.0001	4268	*
SULFATE	120	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14425	766.38874	1901.0309	11055158	120	64000	16049	2.254265	3.179993	36179	1	140	0.25189	0.0001	2337	*
SULFATE	120	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14425	766.38874	1901.0309	11055158	120	64000	17823	7.326853	100.60661	130587	0.01	12000	0.56839	0.0001	3975	*
SULFATE	120	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14425	766.38874	1901.0309	11055158	120	64000	880	1.170455	1.484249	1030	1	20	0.025	0.6878	297	
SULFATE	120	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14425	766.38874	1901.0309	11055158	120	64000	14432	5.940315	14.892349	85731	1	765	0.07585	0.0003	2234	*
SULFATE	120	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14425	766.38874	1901.0309	11055158	120	64000	151404	835.24242	7585.0802	126459043	1	2400000	0.6158	0.0001	12891	*
SULFATE	120	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14425	766.38874	1901.0309	11055158	120	64000	4413	0.026723	0.713462	117.928667	0.001	42	0.05408	0.1497	711	
SULFATE	120	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14425	766.38874	1901.0309	11055158	120	64000	307	0.052834	0.444387	16.22	0.01	6	-0.04274	0.6174	139	
SULFATE	120	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14425	766.38874	1901.0309	11055158	120	64000	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
SULFATE	120	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14425	766.38874	1901.0309	11055158	120	64000	83235	542.51758	153897	45156451	0.1	44400000	-0.00119	0.9095	9110	
SULFATE	120	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14425	766.38874	1901.0309	11055158	120	64000	45639	642.85223	3429.8776	29339133	3	322000	0.50537	0.0001	10529	*
SULFATE	120	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14425	766.38874	1901.0309	11055158	120	64000	58733	243.24843	454.78754	14288710	1	17000	0.76117	0.0001	12308	*
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14425	766.38874	1901.0309	11055158	120	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14425	766.38874	1901.0309	11055158	120	64000	16528	3675.8675	37212	60754738	10	2800000	0.70158	0.0001	2756	*
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14425	766.38874	1901.0309	11055158	120	64000	43140	5369.2633	68858	232492816	0.1	2750000	0.63735	0.0001	8496	*
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	14425	766.38874	1901.0309	11055158	120	64000	160	49223	258519	7875716	0.02	2440000	0.9312	0.0001	154	*
SULFATE	120	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14425	766.38874	1901.0309	11055158	120	64000	7	1.71429	0.48795	12	1	2	-0.21185	0.687	6	
SULFATE	120	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14425	766.38874	1901.0309	11055158	120	64000	15168	581.52304	3916.8679	8820541	1	160000	0.32	0.0001	2548	*
SULFATE	120	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14425	766.38874	1901.0309	11055158	120	64000	42074	243.3273	2387.0571	10237753	0.01	151000	0.17272	0.0001	7879	*
SULFATE	120	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14425	766.38874	1901.0309	11055158	120	64000	5608	0.136363	0.791919	764.723333	0.1	50	0.00803	0.6993	2317	
SULFATE	120	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14425	766.38874	1901.0309	11055158	120	64000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.04793	0.0414	1811	*
SULFATE	120	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14425	766.38874	1901.0309	11055158	120	64000	19215	76.162741	672.33574	1463467	0.5	17000	0.69257	0.0001	3872	*
SULFATE	120	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14425	766.38874	1901.0309	11055158	120	64000	12890	18.184867	47.752014	234403	1	2400	0.44173	0.0001	1965	*
SULFATE	120	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	14425	766.38874	1901.0309	11055158	120	64000	27516	2.33807	13.946496	64334	0.001	1800	0.14123	0.0001	3393	*
SULFATE	120	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14425	766.38874	1901.0309	11055158	120	64000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.00776	0.5373	6326	
SULFATE	120	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14425	766.38874	1901.0309	11055158	120	64000	10597	0.022854	0.115399	242.179118	0.001	10.121667	0.00001	0.9997	501	
SULFATE	120	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14425	766.38874	1901.0309	11055158	120	64000	99613	7.568676	0.845555	753938	0.1	14	-0.22824	0.0001	12262	*
SULFATE	120	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	10	0.11	0.031623	1.1	0.1	0.2	-0.31941	0.5372	6	
SULFATE	120	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	624	0.110433	0.221947	68.91	0.02	3	0.54175	0.0001	80	*
SULFATE	120	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	578	0.026644	0.038336	15.4	0.007	0.48	0.4143	0.0002	75	*
SULFATE	120	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	102	37.441176	53.295844	3819	15	330	0.28696	0.0999	34	
SULFATE	120	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	102	318.25	498.76308	32462	24	3300	0.07895	0.6572	34	
SULFATE	120	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14425	766.38874	1901.0309	11055158	120	64000	15132	5.739795	49.016961	86855	1	3000	0.13529	0.0001	5308	*
SULFATE	120	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14425	766.38874	1901.0309	11055158	120	64000	7729	6.108779	70.618386	47215	1	5800	0.58372	0.0001	1740	*
SULFATE	120	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14425	766.38874	1901.0309	11055158	120	64000	352	30.269574	23.93811	10655	0.1	50	-0.06541	0.7089	35	
SULFATE	120	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14425	766.38874	1901.0309	11055158	120	64000	1005	21.559701	50.912504	21668	1	500	0.07987	0.6586	33	
SULFATE	120	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	14425	766.38874	1901.0309	11055158	120	64000	34709	38.379662	405.66108	1332120	0.1	36500	-0.00694	0.6537	4181	
SULFATE	120	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	26	0.146154	0.124035	3.8	0.1	0.6	-0.12247	0.8172	6	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	120	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14425	766.38874	1901.0309	11055158	120	64000	26	2.017692	3.112414	52.46	0.1	12	-0.10189	0.6477	6	
SULFATE	120	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	14425	766.38874	1901.0309	11055158	120	64000	581	398.67981	390.97008	231633	3	1980	-0.53958	0.2692	6	
SULFATE	150	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	12337	874.21049	2035.996	10785135	150	64000	8351	141.86443	79.888743	1184710	0.9	1800	-0.08857	0.0002	1735	*
SULFATE	150	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	12337	874.21049	2035.996	10785135	150	64000	3697	8.682685	216.40147	32100	0.2	12000	0.73107	0.0001	619	*
SULFATE	150	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	12337	874.21049	2035.996	10785135	150	64000	969	27.159099	88.389881	26317	1	350	-0.07246	0.4316	120	
SULFATE	150	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	12337	874.21049	2035.996	10785135	150	64000	10397	18.293928	493.01898	190202	1	32000	0.19341	0.0001	3544	*
SULFATE	150	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	12337	874.21049	2035.996	10785135	150	64000	9000	8.138151	50.541445	73243	1	3100	-0.03225	0.2611	1216	
SULFATE	150	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	12337	874.21049	2035.996	10785135	150	64000	19173	53.91325	102.63829	1033679	0.2	12000	0.45825	0.0001	3455	*
SULFATE	150	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	12337	874.21049	2035.996	10785135	150	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	12337	874.21049	2035.996	10785135	150	64000	7990	86.273276	96.975617	689323	5	3000	0.07042	0.0168	1153	*
SULFATE	150	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	12337	874.21049	2035.996	10785135	150	64000	13507	4.19948	113.72045	56722	0.05	12000	0.55375	0.0001	2158	*
SULFATE	150	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	12337	874.21049	2035.996	10785135	150	64000	9762	3.45088	8.24248	33687	0.5	710	0.19055	0.0001	987	*
SULFATE	150	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	12337	874.21049	2035.996	10785135	150	64000	20131	4.525946	98.232558	91112	0.01	12000	0.53874	0.0001	3666	*
SULFATE	150	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	12337	874.21049	2035.996	10785135	150	64000	16049	2.254265	3.179993	36179	1	140	0.25342	0.0001	1847	*
SULFATE	150	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	12337	874.21049	2035.996	10785135	150	64000	17823	7.326853	100.60661	130587	0.01	12000	0.57121	0.0001	3445	*
SULFATE	150	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	12337	874.21049	2035.996	10785135	150	64000	880	1.170455	1.484249	1030	1	20	0.02818	0.6581	249	
SULFATE	150	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	12337	874.21049	2035.996	10785135	150	64000	14432	5.940315	14.892349	85731	1	765	0.08663	0.0002	1792	*
SULFATE	150	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	12337	874.21049	2035.996	10785135	150	64000	151404	835.24242	7585.0802	126459043	1	2400000	0.60896	0.0001	11261	*
SULFATE	150	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	12337	874.21049	2035.996	10785135	150	64000	4413	0.026723	0.713462	117.928667	0.001	42	0.02474	0.5754	515	
SULFATE	150	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	12337	874.21049	2035.996	10785135	150	64000	307	0.052834	0.444387	16.22	0.01	6	-0.05902	-0.5167	123	
SULFATE	150	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	12337	874.21049	2035.996	10785135	150	64000	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
SULFATE	150	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	12337	874.21049	2035.996	10785135	150	64000	83235	542.51758	153897	45158451	0.1	44400000	-0.00173	0.8791	7763	
SULFATE	150	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	12337	874.21049	2035.996	10785135	150	64000	45639	642.85223	3429.8776	29339133	3	322000	0.50019	0.0001	9270	*
SULFATE	150	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	12337	874.21049	2035.996	10785135	150	64000	58733	243.24843	454.78754	14286710	1	17000	0.75647	0.0001	10784	*
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	12337	874.21049	2035.996	10785135	150	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	12337	874.21049	2035.996	10785135	150	64000	16528	3675.8675	37212	60754738	10	2800000	0.71014	0.0001	2214	*
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	12337	874.21049	2035.996	10785135	150	64000	43140	5389.2833	68858	232492818	0.1	2750000	0.63523	0.0001	7285	*
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	12337	874.21049	2035.996	10785135	150	64000	160	49223	258519	7875716	0.02	2440000	0.9312	0.0001	154	*
SULFATE	150	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	12337	874.21049	2035.996	10785135	150	64000	7	1.71429	0.48795	12	1	2	-0.21185	0.687	6	
SULFATE	150	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	12337	874.21049	2035.996	10785135	150	64000	15168	581.52304	3916.8679	8820541	1	160000	0.30777	0.0001	2046	*
SULFATE	150	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	12337	874.21049	2035.996	10785135	150	64000	42074	243.3273	2387.0571	10237753	0.01	151000	0.16588	0.0001	6692	*
SULFATE	150	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	12337	874.21049	2035.996	10785135	150	64000	5608	0.136363	0.791919	764.723333	0.1	50	0.00531	0.8104	2044	
SULFATE	150	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	12337	874.21049	2035.996	10785135	150	64000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.05658	0.0307	1459	*
SULFATE	150	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	12337	874.21049	2035.996	10785135	150	64000	19215	76.162741	672.33574	1463467	0.5	17000	0.68962	0.0001	3325	*
SULFATE	150	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	12337	874.21049	2035.996	10785135	150	64000	12890	18.184867	47.752014	234403	1	2400	0.43202	0.0001	1551	*
SULFATE	150	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	12337	874.21049	2035.996	10785135	150	64000	27516	2.33807	13.946496	64334	0.001	1800	0.13981	0.0001	2876	*
SULFATE	150	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	12337	874.21049	2035.996	10785135	150	64000	49228	0.034175	0.178612	1682.36412	0.001	7.1	0.01918	0.1587	5402	
SULFATE	150	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	12337	874.21049	2035.996	10785135	150	64000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.02707	0.5856	408	
SULFATE	150	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	12337	874.21049	2035.996	10785135	150	64000	99613	7.568676	0.845555	753938	0.1	14	-0.22667	0.0001	10708	*
SULFATE	150	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	12337	874.21049	2035.996	10785135	150	64000	10	0.11	0.031623	1.1	0.1	0.2	-0.86042	0.0613	5	
SULFATE	150	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	12337	874.21049	2035.996	10785135	150	64000	624	0.110433	0.221947	68.91	0.02	3	0.53292	0.0001	73	*
SULFATE	[illegible]	ADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	12[illegible]	[illegible]21049	2035.996	10785135	150	64000	578	0.026644	0.038336	15.4	0.007	0.48	[illegible]	0.0002	67	*

Appendix E-threshold. National Correlation analysis. Correla[illegible]ients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	150	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	12337	874.21049	2035.996	10785135	150	64000	102	37.441176	53.295844	3819	15	330	0.50824	0.0035	31	*
SULFATE	150	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	12337	874.21049	2035.996	10785135	150	64000	102	318.25	498.76308	32462	24	3300	0.26335	0.1523	31	
SULFATE	150	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	12337	874.21049	2035.996	10785135	150	64000	15132	5.739795	49.016961	86855	1	3000	0.13235	0.0001	4752	*
SULFATE	150	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	12337	874.21049	2035.996	10785135	150	64000	7729	6.108779	70.618386	47215	1	5800	0.58558	0.0001	1480	*
SULFATE	150	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	12337	874.21049	2035.996	10785135	150	64000	352	30.269574	23.93811	10655	0.1	50	-0.0725	0.7139	28	
SULFATE	150	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	12337	874.21049	2035.996	10785135	150	64000	1005	21.559701	50.912504	21668	1	500	0.19427	0.3316	27	
SULFATE	150	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	12337	874.21049	2035.996	10785135	150	64000	34709	38.379662	405.66108	1332120	0.1	36500	-0.01594	0.3675	3197	
SULFATE	150	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	12337	874.21049	2035.996	10785135	150	64000	26	0.146154	0.124035	3.8	0.1	0.6	-0.12247	0.8172	6	
SULFATE	150	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	12337	874.21049	2035.996	10785135	150	64000	26	2.017692	3.112414	52.46	0.1	12	-0.10189	0.8477	6	
SULFATE	150	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	12337	874.21049	2035.996	10785135	150	64000	581	398.67981	390.97008	231633	3	1980	-0.52486	0.3638	5	
SULFATE	250	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	7830	1269.2036	2470.6396	9937864	250	64000	8351	141.86443	79.888743	1184710	0.9	1800	-0.12382	0.0001	1205	*
SULFATE	250	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	7830	1269.2036	2470.6396	9937864	250	64000	3697	8.682685	216.40147	32100	0.2	12000	0.73108	0.0001	387	*
SULFATE	250	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	7830	1269.2036	2470.6396	9937864	250	64000	969	27.159099	88.389881	26317	1	350	-0.11265	0.3461	72	
SULFATE	250	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	7830	1269.2036	2470.6396	9937864	250	64000	10397	18.293928	493.01898	190202	1	32000	0.19438	0.0001	2444	*
SULFATE	250	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	7830	1269.2036	2470.6396	9937864	250	64000	9000	8.138151	50.541445	73243	1	3100	-0.099	0.0074	732	*
SULFATE	250	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	7830	1269.2036	2470.6396	9937864	250	64000	19173	53.91325	102.63829	1033679	0.2	12000	0.47366	0.0001	2354	*
SULFATE	250	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	7830	1269.2036	2470.6396	9937864	250	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	7830	1269.2036	2470.6396	9937864	250	64000	7990	86.273276	98.975617	689323	5	3000	0.05015	0.1883	690	
SULFATE	250	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	7830	1269.2036	2470.6396	9937864	250	64000	13507	4.19948	113.72045	56722	0.05	12000	0.56211	0.0001	1441	*
SULFATE	250	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	7830	1269.2036	2470.6396	9937864	250	64000	9762	3.45088	8.24248	33687	0.5	710	0.18164	0.0001	545	*
SULFATE	250	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	7830	1269.2036	2470.6396	9937864	250	64000	20131	4.525946	98.232558	91112	0.01	12000	0.54967	0.0001	2385	*
SULFATE	250	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	7830	1269.2036	2470.6396	9937864	250	64000	16049	2.254265	3.179993	36179	1	140	0.25291	0.0001	1006	*
SULFATE	250	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	7830	1269.2036	2470.6396	9937864	250	64000	17823	7.326853	100.60661	130587	0.01	12000	0.58098	0.0001	2280	*
SULFATE	250	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	7830	1269.2036	2470.6396	9937864	250	64000	880	1.170455	1.484249	1030	1	20	-0.00266	0.9821	74	
SULFATE	250	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	7830	1269.2036	2470.6396	9937864	250	64000	14432	5.940315	14.892349	85731	1	765	0.12028	0.0001	995	*
SULFATE	250	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	7830	1269.2036	2470.6396	9937864	250	64000	151404	835.24242	7585.0802	126459043	1	2400000	0.58644	0.0001	7576	*
SULFATE	250	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	7830	1269.2036	2470.6396	9937864	250	64000	4413	0.026723	0.713462	117.928667	0.001	42	0.00682	0.9195	222	
SULFATE	250	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	7830	1269.2036	2470.6396	9937864	250	64000	307	0.052834	0.444387	16.22	0.01	6	-0.18007	0.1417	68	
SULFATE	250	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	7830	1269.2036	2470.6396	9937864	250	64000	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
SULFATE	250	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	7830	1269.2036	2470.6396	9937864	250	64000	83235	542.51758	153897	45156451	0.1	44400000	-0.0037	0.7952	4911	
SULFATE	250	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	7830	1269.2036	2470.6396	9937864	250	64000	45639	642.85223	3429.8776	29339133	3	322000	0.48208	0.0001	6249	*
SULFATE	250	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	7830	1269.2036	2470.6396	9937864	250	64000	58733	243.24843	454.78754	14286710	1	17000	0.73859	0.0001	7248	*
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	7830	1269.2036	2470.6396	9937864	250	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	7830	1269.2036	2470.6396	9937864	250	64000	16528	3675.8675	37212	60754738	10	2800000	0.73845	0.0001	1341	*
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	7830	1269.2036	2470.6396	9937864	250	64000	43140	5389.2633	68858	232492818	0.1	2750000	0.62667	0.0001	4704	*
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	7830	1269.2036	2470.6396	9937864	250	64000	160	49223	258519	7875716	0.02	2440000	0.93232	0.0001	150	*
SULFATE	250	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	7830	1269.2036	2470.6396	9937864	250	64000	7	1.71429	0.48795	12	1	2	-0.69338	0.5122	3	
SULFATE	250	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	7830	1269.2036	2470.6396	9937864	250	64000	15168	581.52304	3916.8679	8820541	1	160000	0.26124	0.0001	1243	*
SULFATE	250	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	7830	1269.2036	2470.6396	9937864	250	64000	42074	243.3273	2387.0571	10237753	0.01	151000	0.14035	0.0001	4205	*
SULFATE	250	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	7830	1269.2036	2470.6396	9937864	250	64000	5608	0.136363	0.791919	764.723333	0.1	50	0.00386	0.8879	1339	
SULFATE	250	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	7830	1269.2036	2470.6396	9937864	250	64000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.10976	0.001	890	*
SULFATE	250	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	7830	1269.2036	2470.6396	9937864	250	64000	19215	76.162741	672.33574	1463467	0.5	17000	0.67826	0.0001	2200	*

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	250	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	7830	1269.2036	2470.6396	9937864	250	64000	12890	18.184867	47.752014	234403	1	2400	0.42384	0.0001	626	*
SULFATE	250	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	7830	1269.2036	2470.6396	9937864	250	64000	27516	2.33807	13.946496	64334	0.001	1800	0.13357	0.0001	1658	*
SULFATE	250	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	7830	1269.2036	2470.6396	9937864	250	64000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.02489	0.159	3203	
SULFATE	250	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	7830	1269.2036	2470.6396	9937864	250	64000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.11594	0.0892	216	
SULFATE	250	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	7830	1269.2036	2470.6396	9937864	250	64000	99613	7.568876	0.845555	753938	0.1	14	-0.20772	0.0001	7190	*
SULFATE	250	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	3	
SULFATE	250	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	824	0.110433	0.221947	88.91	0.02	3	0.53526	0.0002	44	*
SULFATE	250	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	578	0.026644	0.038336	15.4	0.007	0.48	0.4516	0.003	41	*
SULFATE	250	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	102	37.441176	53.295844	3819	15	330	0.6391	0.0639	9	
SULFATE	250	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	102	318.25	498.76308	32462	24	3300	0.47301	0.1985	9	
SULFATE	250	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	7830	1269.2036	2470.6396	9937864	250	64000	15132	5.739795	49.016961	86855	1	3000	0.12097	0.0001	3304	*
SULFATE	250	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	7830	1269.2036	2470.6396	9937864	250	64000	7729	6.108779	70.618386	47215	1	5800	0.56479	0.0001	1019	*
SULFATE	250	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	7830	1269.2036	2470.6396	9937864	250	64000	352	30.269574	23.93811	10655	0.1	50	-0.32569	0.5287	6	
SULFATE	250	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	7830	1269.2036	2470.6396	9937864	250	64000	1005	21.559701	50.912504	21668	1	500	-0.09306	0.8118	9	
SULFATE	250	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	7830	1269.2036	2470.6396	9937864	250	64000	34709	38.379662	405.66108	1332120	0.1	36500	-0.03737	0.1556	1445	
SULFATE	250	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	26	0.146154	0.124035	3.8	0.1	0.6	-0.46637	0.5338	4	
SULFATE	250	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	7830	1269.2036	2470.6396	9937864	250	64000	26	2.017692	3.112414	52.46	0.1	12	-0.46204	0.538	4	
SULFATE	250	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	7830	1269.2036	2470.6396	9937864	250	64000	581	398.67981	390.97008	231633	3	1980	-0.52486	0.3638	5	
SULFATE	500	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4519	1950.0326	3078.5097	8812197	500	64000	8351	141.66443	79.888743	1184710	0.9	1800	-0.30859	0.0001	682	*
SULFATE	500	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4519	1950.0326	3078.5097	8812197	500	64000	3697	8.682685	216.40147	32100	0.2	12000	0.72918	0.0001	182	*
SULFATE	500	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4519	1950.0326	3078.5097	8812197	500	64000	969	27.159099	88.389881	26317	1	350	-0.33935	0.0833	27	
SULFATE	500	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4519	1950.0326	3078.5097	8812197	500	64000	10397	18.293928	493.01898	190202	1	32000	0.19584	0.0001	1593	*
SULFATE	500	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4519	1950.0326	3078.5097	8812197	500	64000	9000	8.138151	50.541445	73243	1	3100	-0.12139	0.0187	375	*
SULFATE	500	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4519	1950.0326	3078.5097	8812197	500	64000	19173	53.91325	102.63829	1033679	0.2	12000	0.51368	0.0001	1417	*
SULFATE	500	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4519	1950.0326	3078.5097	8812197	500	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4519	1950.0326	3078.5097	8812197	500	64000	7990	86.273276	96.975617	689323	5	3000	0.02826	0.5921	362	
SULFATE	500	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4519	1950.0326	3078.5097	8812197	500	64000	13507	4.19948	113.72045	56722	0.05	12000	0.57755	0.0001	862	*
SULFATE	500	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4519	1950.0326	3078.5097	8812197	500	64000	9762	3.45088	8.24248	33687	0.5	710	0.36342	0.0001	220	*
SULFATE	500	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4519	1950.0326	3078.5097	8812197	500	64000	20131	4.525946	98.232558	91112	0.01	12000	0.56459	0.0001	1533	*
SULFATE	500	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4519	1950.0326	3078.5097	8812197	500	64000	16049	2.254265	3.179993	36179	1	140	0.20794	0.0001	483	*
SULFATE	500	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4519	1950.0326	3078.5097	8812197	500	64000	17823	7.326853	100.60661	130587	0.01	12000	0.59501	0.0001	1464	*
SULFATE	500	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4519	1950.0326	3078.5097	8812197	500	64000	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4519	1950.0326	3078.5097	8812197	500	64000	14432	5.940315	14.892349	85731	1	765	0.07984	0.0815	477	
SULFATE	500	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4519	1950.0326	3078.5097	8812197	500	64000	151404	835.24242	7585.0802	126459043	1	2400000	0.55138	0.0001	4435	*
SULFATE	500	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4519	1950.0326	3078.5097	8812197	500	64000	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	98	
SULFATE	500	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4519	1950.0326	3078.5097	8812197	500	64000	307	0.052834	0.444387	16.22	0.01	6	-0.22343	0.3176	22	
SULFATE	500	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4519	1950.0326	3078.5097	8812197	500	64000	178	43.107191	64.532141	7673.08	0.01	544	-1	#N/A	2	
SULFATE	500	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4519	1950.0326	3078.5097	8812197	500	64000	83235	542.51758	153897	45156451	0.1	44400000	-0.02281	0.2386	2670	
SULFATE	500	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4519	1950.0326	3078.5097	8812197	500	64000	45639	642.85223	3429.8776	29339133	3	322000	0.45011	0.0001	3574	*
SULFATE	500	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4519	1950.0326	3078.5097	8812197	500	64000	58733	243.24843	454.78754	14286710	1	17000	0.70229	0.0001	4226	*
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4519	1950.0326	3078.5097	8812197	500	64000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	[illegible]	[illegible]ON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	45[illegible]	[illegible]0326	3078.5097	8812197	500	64000	16528	3675.8675	37212	60754738	10	2800000	0[illegible]	[illegible]0001	708	*

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4519	1950.0326	3078.5097	8812197	500	64000	43140	5389.2633	68858	232492818	0.1	2750000	0.6043	0.0001	2608	*
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	4519	1950.0326	3078.5097	8812197	500	64000	160	49223	258519	7875716	0.02	2440000	0.93667	0.0001	132	*
SULFATE	500	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4519	1950.0326	3078.5097	8812197	500	64000	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
SULFATE	500	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4519	1950.0326	3078.5097	8812197	500	64000	15168	581.52304	3916.8679	8820541	1	160000	0.17518	0.0001	700	*
SULFATE	500	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4519	1950.0326	3078.5097	8812197	500	64000	42074	243.3273	2387.0571	10237753	0.01	151000	0.09099	0.0001	2317	*
SULFATE	500	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4519	1950.0326	3078.5097	8812197	500	64000	5608	0.136363	0.791919	764.723333	0.1	50	-0.00933	0.792	801	
SULFATE	500	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4519	1950.0326	3078.5097	8812197	500	64000	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.10088	0.0252	492	*
SULFATE	500	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4519	1950.0326	3078.5097	8812197	500	64000	19215	76.162741	672.33574	1463467	0.5	17000	0.65151	0.0001	1287	*
SULFATE	500	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4519	1950.0326	3078.5097	8812197	500	64000	12890	18.184867	47.752014	234403	1	2400	0.35447	0.0001	394	*
SULFATE	500	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4519	1950.0326	3078.5097	8812197	500	64000	27516	2.33807	13.946496	64334	0.001	1800	0.11626	0.001	793	*
SULFATE	500	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4519	1950.0326	3078.5097	8812197	500	64000	49228	0.034175	0.178812	1682.36412	0.001	7.1	0.01611	0.5251	1559	
SULFATE	500	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4519	1950.0326	3078.5097	8812197	500	64000	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.227	0.0367	85	*
SULFATE	500	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4519	1950.0326	3078.5097	8812197	500	64000	99613	7.568676	0.845555	753938	0.1	14	-0.16709	0.0001	4185	*
SULFATE	500	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
SULFATE	500	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	624	0.110433	0.221947	68.91	0.02	3	0.60126	0.0024	23	*
SULFATE	500	RADIUM-228	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	578	0.026644	0.038336	15.4	0.007	0.48	0.58348	0.0035	23	*
SULFATE	500	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	1	
SULFATE	500	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	1	
SULFATE	500	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4519	1950.0326	3078.5097	8812197	500	64000	15132	5.739795	49.016961	86855	1	3000	0.10194	0.0001	2054	*
SULFATE	500	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4519	1950.0326	3078.5097	8812197	500	64000	7729	6.108779	70.618386	47215	1	5800	0.52948	0.0001	662	*
SULFATE	500	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4519	1950.0326	3078.5097	8812197	500	64000	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	1	
SULFATE	500	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4519	1950.0326	3078.5097	8812197	500	64000	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
SULFATE	500	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	4519	1950.0326	3078.5097	8812197	500	64000	34709	38.379662	405.66108	1332120	0.1	36500	-0.06184	0.1296	602	
SULFATE	500	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	26	0.146154	0.124035	3.8	0.1	0 6	#N/A	#N/A	2	
SULFATE	500	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4519	1950.0326	3078.5097	8812197	500	64000	26	2.017692	3.112414	52.46	0.1	12	1	#N/A	2	
SULFATE	500	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	4519	1950.0326	3078.5097	8812197	500	64000	581	398.67981	390.97008	231633	3	1980	-0.43369	0 5663	4	
THALLIUM	0	ALKALINITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	352	30.269574	23.93811	10655	0.1	50	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	1	
THALLIUM	0	ALKALINITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1005	21.559701	50.912504	21668	1	500	8351	141.86443	79.888743	1184710	0.9	1800	0.14669	0.0028	413	*
THALLIUM	0	CONDUCTANCE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	352	30.269574	23.93811	10655	0.1	50	151404	835.24242	7585.0802	126459043	1	2400000	-0.12861	0.0976	167	
THALLIUM	0	CONDUCTANCE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1005	21.559701	50.912504	21668	1	500	151404	835.24242	7585.0802	126459043	1	2400000	-0.0787	0 0164	930	*
THALLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	352	30.269574	23.93811	10655	0.1	50	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
THALLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1005	21.559701	50.912504	21668	1	500	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
THALLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	352	30.269574	23.93811	10655	0.1	50	83235	542.51758	153897	45156451	0.1	44400000	-0.02796	0.6261	306	
THALLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1005	21.559701	50.912504	21668	1	500	83235	542.51758	153897	45156451	0.1	44400000	0.06978	0.1222	492	
THALLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	352	30.269574	23.93811	10655	0.1	50	45639	642.85223	3429.8776	29339133	3	322000	-0.37438	0.0001	167	*
THALLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1005	21.559701	50.912504	21668	1	500	45639	642.85223	3429.8776	29339133	3	322000	0.11987	0.0011	738	*
THALLIUM	0	HARDNESS	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	352	30.269574	23.93811	10655	0.1	50	58733	243.24843	454.78754	14286710	1	17000	-0.55909	0.0001	339	*
THALLIUM	0	HARDNESS	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1005	21.559701	50.912504	21668	1	500	58733	243.24843	454.78754	14286710	1	17000	0.08959	0.0087	856	*
THALLIUM	0	PH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	352	30.269574	23.93811	10655	0.1	50	99613	7.568676	0.845555	753938	0.1	14	-0.64692	0.0001	330	*
THALLIUM	0	PH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1005	21.559701	50.912504	21668	1	500	99613	7.568676	0.845555	753938	0.1	14	-0.10203	0.002	915	*
THALLIUM	0	TURBIDITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	352	30.269574	23.93811	10655	0.1	50	34709	38.379662	405.66108	1332120	0.1	36500	-0.26959	0.2373	21	
THALLIUM	0	TURBIDITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	1005	21.559701	50.912504	21668	1	500	34709	38.379662	405.66108	1332120	0.1	36500	-0.07676	0.7035	27	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	0	WELL-DEPTH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	352	30.269574	23.93811	10655	0.1	50	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
THALLIUM	0	WELL-DEPTH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	1005	21.559701	50.912504	21668	1	500	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
THALLIUM	2	ALKALINITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	232	45.487069	13.723611	10553	2	50	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
THALLIUM	2	ALKALINITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	895	24.086592	53.409895	21558	2	500	8351	141.86443	79.888743	1184710	0.9	1800	0.14669	0.0028	413	*
THALLIUM	2	ANTIMONY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	232	45.487069	13.723611	10553	2	50	3697	8.682685	216.40147	32100	0.2	12000	-0.05711	0.3918	227	
THALLIUM	2	ANTIMONY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	232	45.487069	13.723611	10553	2	50	969	27.159099	88.389881	26317	1	350	0.59646	0.0189	15	*
THALLIUM	2	ANTIMONY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	895	24.086592	53.409895	21558	2	500	3697	8.682685	216.40147	32100	0.2	12000	0.19729	0.2351	38	
THALLIUM	2	ANTIMONY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	895	24.086592	53.409895	21558	2	500	969	27.159099	88.389881	26317	1	350	0.99891	0.0001	230	*
THALLIUM	2	ARSENIC	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	232	45.487069	13.723611	10553	2	50	10397	18.293928	493.01898	190202	1	32000	0.64348	0.0001	227	*
THALLIUM	2	ARSENIC	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	232	45.487069	13.723611	10553	2	50	9000	8.138151	50.541445	73243	1	3100	-0.20811	0.4567	15	
THALLIUM	2	ARSENIC	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	895	24.086592	53.409895	21558	2	500	10397	18.293928	493.01898	190202	1	32000	0.06184	0.7122	38	
THALLIUM	2	ARSENIC	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	895	24.086592	53.409895	21558	2	500	9000	8.138151	50.541445	73243	1	3100	0.47166	0.0001	883	*
THALLIUM	2	BARIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	232	45.487069	13.723611	10553	2	50	19173	53.91325	102.63829	1033679	0.2	12000	-0.31941	0.0001	203	*
THALLIUM	2	BARIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	232	45.487069	13.723611	10553	2	50	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	232	45.487069	13.723611	10553	2	50	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	14	
THALLIUM	2	BARIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	895	24.086592	53.409895	21558	2	500	19173	53.91325	102.63829	1033679	0.2	12000	-0.43045	0.0001	157	*
THALLIUM	2	BARIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	895	24.086592	53.409895	21558	2	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	895	24.086592	53.409895	21558	2	500	7990	86.273276	96.975617	689323	5	3000	-0.1186	0.1443	153	
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	232	45.48707	13.72361	10553	2	50	13507	4.19948	113.72045	56722	0.05	12000	0.49908	0.0001	215	*
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	232	45.48707	13.72361	10553	2	50	9762	3.45088	8.24248	33687	0.5	710	0.60512	0.0168	15	*
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	895	24.08659	53.4099	21558	2	500	13507	4.19948	113.72045	56722	0.05	12000	0.1223	0.127	157	
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	895	24.08659	53.4099	21558	2	500	9762	3.45088	8.24248	33687	0.5	710	0.18422	0.0001	878	*
THALLIUM	2	CADMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	232	45.487069	13.723611	10553	2	50	20131	4.525946	98.232558	91112	0.01	12000	0.62975	0.0001	229	*
THALLIUM	2	CADMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	232	45.487069	13.723611	10553	2	50	16049	2.254265	3.179993	36179	1	140	0.59267	0.0199	15	*
THALLIUM	2	CADMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	895	24.086592	53.409895	21558	2	500	20131	4.525946	98.232558	91112	0.01	12000	0.17538	0.1919	57	
THALLIUM	2	CADMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	895	24.086592	53.409895	21558	2	500	16049	2.254265	3.179993	36179	1	140	0.31227	0.0001	763	*
THALLIUM	2	CHROMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	232	45.487069	13.723611	10553	2	50	17823	7.326853	100.60661	130587	0.01	12000	0.21946	0.0008	229	*
THALLIUM	2	CHROMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	232	45.487069	13.723611	10553	2	50	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	232	45.487069	13.723611	10553	2	50	14432	5.940315	14.892349	85731	1	765	-0.30719	0.2654	15	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	895	24.086592	53.409895	21558	2	500	17823	7.326853	100.60661	130587	0.01	12000	-0.16469	0.0399	156	*
THALLIUM	2	CHROMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	895	24.086592	53.409895	21558	2	500	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	895	24.086592	53.409895	21558	2	500	14432	5.940315	14.892349	85731	1	765	0.02663	0.432	873	
THALLIUM	2	CONDUCTANCE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	232	45.487069	13.723611	10553	2	50	151404	835.24242	7585.0802	126459043	1	2400000	-0.4685	0.0004	54	*
THALLIUM	2	CONDUCTANCE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	895	24.086592	53.409895	21558	2	500	151404	835.24242	7585.0802	126459043	1	2400000	-0.09076	0.0089	829	*
THALLIUM	2	CYANIDE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	232	45.487069	13.723611	10553	2	50	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	16	
THALLIUM	2	CYANIDE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	232	45.487069	13.723611	10553	2	50	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	895	24.086592	53.409895	21558	2	500	4413	0.026723	0.713462	117.928667	0.001	42	-0.01331	0.7117	774	
THALLIUM	2	CYANIDE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	895	24.086592	53.409895	21558	2	500	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	7	
THALLIUM	2	DEPTH-BELOW-LAN	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019 (FEET)	232	45.487069	13.723611	10553	2	50	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
THALLIUM	2	DEPTH-BELOW-LAN	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019 (FEET)	895	24.086592	53.409895	21558	2	500	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
THALLIUM	[illegible]	DISSOLVED-OXYGE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	232	45.487069	13.723611	10553	2	50	83235	542.51758	153897	45158451	0.1	44400000	-0.05372	0.4354	213	
THALLIUM	[illegible]	[illegible]SSOLVED-OXYGE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	[illegible]	[illegible]8592	53.409895	21558	2	500	83235	542.51758	153897	45158451	0.1	44400000	0[illegible]	[illegible]0.0404	422	*

Appendix E-threshold. National Correlation analysis. Correlati[illegible]nts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	DISSOLVED-SOLID	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	232	45.487069	13.723611	10553	2	50	45639	642.85223	3429.8776	29339133	3	322000	-0.70609	0.0001	94	*
THALLIUM	2	DISSOLVED-SOLID	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	895	24.086592	53.409895	21558	2	500	45639	642.85223	3429.8776	29339133	3	322000	0.11651	0.0025	670	*
THALLIUM	2	HARDNESS	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	232	45.487069	13.723611	10553	2	50	58733	243.24843	454.78754	14286710	1	17000	-0.75548	0.0001	230	*
THALLIUM	2	HARDNESS	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	895	24.086592	53.409895	21558	2	500	58733	243.24843	454.78754	14286710	1	17000	0.09869	0.0057	784	*
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	232	45.487069	13.723611	10553	2	50	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	232	45.487069	13.723611	10553	2	50	16528	3675.8675	37212	60754738	10	2800000	-0.29574	0.0001	193	*
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	232	45.487069	13.723611	10553	2	50	43140	5389.2633	68858	232492818	0.1	2750000	0.27262	0.0001	231	*
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	232	45.487069	13.723611	10553	2	50	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	895	24.086592	53.409895	21558	2	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	895	24.086592	53.409895	21558	2	500	16528	3675.8675	37212	60754738	10	2800000	-0.1851	0.0087	200	*
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	895	24.086592	53.409895	21558	2	500	43140	5389.2633	68858	232492818	0.1	2750000	0.03069	0.7131	146	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	895	24.086592	53.409895	21558	2	500	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	232	45.48707	13.72361	10553	2	50	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	232	45.48707	13.72361	10553	2	50	15168	581.52304	3916.8679	8820541	1	160000	0.11617	0.1086	192	
THALLIUM	2	MANGANESE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	232	45.48707	13.72361	10553	2	50	42074	243.3273	2387.0571	10237753	0.01	151000	0.16557	0.0117	231	*
THALLIUM	2	MANGANESE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	895	24.08659	53.4099	21558	2	500	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	895	24.08659	53.4099	21558	2	500	15168	581.52304	3916.8679	8820541	1	160000	-0.29011	0.0001	200	*
THALLIUM	2	MANGANESE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	895	24.08659	53.4099	21558	2	500	42074	243.3273	2387.0571	10237753	0.01	151000	0.01769	0.8322	146	
THALLIUM	2	MERCURY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	232	45.487069	13.723611	10553	2	50	5608	0.136363	0.791919	764.723333	0.1	50	-0.379	0.0324	32	*
THALLIUM	2	MERCURY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	232	45.487069	13.723611	10553	2	50	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.60522	0.0218	14	*
THALLIUM	2	MERCURY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	895	24.086592	53.409895	21558	2	500	5608	0.136363	0.791919	764.723333	0.1	50	-0.28788	0.1454	27	
THALLIUM	2	MERCURY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	895	24.086592	53.409895	21558	2	500	11068	0.118446	0.362079	1310.95512	0.04	28.333333	0.27666	0.0001	760	*
THALLIUM	2	NICKEL	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	232	45.487069	13.723611	10553	2	50	19215	76.162741	672.33574	1463467	0.5	17000	0.70831	0.0001	203	*
THALLIUM	2	NICKEL	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	232	45.487069	13.723611	10553	2	50	12890	18.184867	47.752014	234403	1	2400	0.35711	0.1913	15	
THALLIUM	2	NICKEL	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	895	24.086592	53.409895	21558	2	500	19215	76.162741	672.33574	1463467	0.5	17000	0.29334	0.0348	52	*
THALLIUM	2	NICKEL	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	895	24.086592	53.409895	21558	2	500	12890	18.184867	47.752014	234403	1	2400	0.17519	0.0001	867	*
THALLIUM	2	NITRATE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	232	45.487069	13.723611	10553	2	50	27516	2.33807	13.946496	64334	0.001	1800	0.73855	0.0001	22	*
THALLIUM	2	NITRATE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	895	24.086592	53.409895	21558	2	500	27516	2.33807	13.946496	64334	0.001	1800	-0.02102	0.6502	468	
THALLIUM	2	NITRITE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	232	45.487069	13.723611	10553	2	50	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.4248	0.0137	33	*
THALLIUM	2	NITRITE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	232	45.487069	13.723611	10553	2	50	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.1673	0.0394	152	*
THALLIUM	2	NITRITE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	895	24.086592	53.409895	21558	2	500	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.13666	0.001	573	*
THALLIUM	2	NITRITE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	895	24.086592	53.409895	21558	2	500	10597	0.022854	0.115399	242.179118	0.001	10.121667	-0.09744	0.1646	205	
THALLIUM	2	PH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	232	45.487069	13.723611	10553	2	50	99613	7.568676	0.845555	753938	0.1	14	-0.56538	0.0001	222	*
THALLIUM	2	PH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	895	24.086592	53.409895	21558	2	500	99613	7.568676	0.845555	753938	0.1	14	-0.09743	0.0047	839	*
THALLIUM	2	RADIUM-226	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	232	45.487069	13.723611	10553	2	50	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	232	45.487069	13.723611	10553	2	50	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	232	45.487069	13.723611	10553	2	50	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	895	24.086592	53.409895	21558	2	500	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	895	24.086592	53.409895	21558	2	500	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	895	24.086592	53.409895	21558	2	500	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
THALLIUM	2	RADON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P76002	RADON 222-PE-P76002-(PCI/L)	232	45.487069	13.723611	10553	2	50	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
THALLIUM	2	RADON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	232	45.487069	13.723611	10553	2	50	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	RADON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P76002	RADON 222-PE-P76002-(PCI/L)	895	24.086592	53.409895	21558	2	500	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
THALLIUM	2	RADON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	895	24.086592	53.409895	21558	2	500	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	232	45.487069	13.723611	10553	2	50	15132	5.739795	49.016961	86855	1	3000	0.09072	0.18	220	
THALLIUM	2	SELENIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	232	45.487069	13.723611	10553	2	50	7729	6.108779	70.618386	47215	1	5800	-0.03012	0.9151	15	
THALLIUM	2	SELENIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	895	24.086592	53.409895	21558	2	500	15132	5.739795	49.016961	86855	1	3000	-0.15249	0.4128	31	
THALLIUM	2	SELENIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	895	24.086592	53.409895	21558	2	500	7729	6.108779	70.618386	47215	1	5800	0.15356	0.0001	883	*
THALLIUM	2	SULFATE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	232	45.487069	13.723611	10553	2	50	61449	203.15791	972.75089	12483850	0.01	64000	-0.74307	0.0001	232	*
THALLIUM	2	SULFATE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	895	24.086592	53.409895	21558	2	500	61449	203.15791	972.75089	12483850	0.01	64000	-0.05987	0.0796	864	
THALLIUM	2	TURBIDITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	232	45.487069	13.723611	10553	2	50	34709	38.379662	405.66108	1332120	0.1	36500	0.10073	0.7965	9	
THALLIUM	2	TURBIDITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	895	24.086592	53.409895	21558	2	500	34709	38.379662	405.66108	1332120	0.1	36500	-0.35713	0.1594	17	
THALLIUM	2	URANIUM-235	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	232	45.487069	13.723611	10553	2	50	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
THALLIUM	2	URANIUM-235	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	895	24.086592	53.409895	21558	2	500	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
THALLIUM	2	URANIUM-238	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	232	45.487069	13.723611	10553	2	50	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
THALLIUM	2	URANIUM-238	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	895	24.086592	53.409895	21558	2	500	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	232	45.487069	13.723611	10553	2	50	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	895	24.086592	53.409895	21558	2	500	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
TURBIDITY	0	CONDUCTANCE	SURFACE WATER	P00076	TURBIDITY-P00076-(NTU)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	34709	38.379662	405.66108	1332120	0.1	36500	151404	835.24242	7585.0802	126459043	1	2400000	-0.00415	0.4745	29758	
URANIUM-235	0	ALKALINITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	26	0.146154	0.124035	3.8	0.1	0.6	8351	141.86443	79.888743	1184710	0.9	1800	0.55974	0.4403	4	
URANIUM-235	0	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	26	0.146154	0.124035	3.8	0.1	0.6	3697	8.682685	216.40147	32100	0.2	12000	0.52905	0.077	12	
URANIUM-235	0	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	26	0.146154	0.124035	3.8	0.1	0.6	969	27.159099	88.389881	26317	1	350	-0.27349	0.3054	16	
URANIUM-235	0	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	26	0.146154	0.124035	3.8	0.1	0.6	19173	53.91325	102.63829	1033679	0.2	12000	-0.31036	0.1959	19	
URANIUM-235	0	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	26	0.146154	0.124035	3.8	0.1	0.6	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	26	0.146154	0.124035	3.8	0.1	0.6	7990	66.273276	96.975617	689323	5	3000	-0.20531	0.4629	15	
URANIUM-235	0	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	26	0.14615	0.12403	3.8	0.1	0.6	13507	4.19948	113.72045	56722	0.05	12000	-0.07806	0.7582	18	
URANIUM-235	0	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	26	0.14615	0.12403	3.8	0.1	0.6	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	16	
URANIUM-235	0	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	26	0.146154	0.124035	3.8	0.1	0.6	20131	4.525946	98.232558	91112	0.01	12000	0.44118	0.0586	19	
URANIUM-235	0	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	26	0.146154	0.124035	3.8	0.1	0.6	16049	2.254265	3.179993	36179	1	140	-0.18811	0.4406	19	
URANIUM-235	0	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	26	0.146154	0.124035	3.8	0.1	0.6	17823	7.326853	100.60661	130587	0.01	12000	-0.69831	0.0009	19	*
URANIUM-235	0	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	26	0.146154	0.124035	3.8	0.1	0.6	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	26	0.146154	0.124035	3.8	0.1	0.6	14432	5.940315	14.892349	85731	1	765	-0.22407	0.4041	16	
URANIUM-235	0	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	26	0.146154	0.124035	3.8	0.1	0.6	151404	835.24242	7585.0802	126459043	1	2400000	0.12546	0.578	22	
URANIUM-235	0	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	26	0.146154	0.124035	3.8	0.1	0.6	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-235	0	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	26	0.146154	0.124035	3.8	0.1	0.6	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-235	0	DEPTH-BELOW-LAN	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	26	0.146154	0.124035	3.8	0.1	0.6	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-235	0	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	26	0.146154	0.124035	3.8	0.1	0.6	83235	542.51758	153897	45156451	0.1	44400000	-0.09861	0.8047	9	
URANIUM-235	0	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	26	0.146154	0.124035	3.8	0.1	0.6	45639	642.85223	3429.8776	29339133	3	322000	0.0401	0.863	21	
URANIUM-235	0	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	26	0.146154	0.124035	3.8	0.1	0.6	58733	243.24843	454.78754	14286710	1	17000	-0.06962	0.7409	25	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	26	0.146154	0.124035	3.8	0.1	0.6	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	26	0.146154	0.124035	3.8	0.1	0.6	16528	3675.8675	37212	60754738	10	2800000	-0.05037	0.853	16	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	26	0.146154	0.124035	3.8	0.1	0.6	43140	5389.2633	68856	232492818	0.1	2750000	-0.08537	0.6849	25	
URANIUM-235	[illegible]	ON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	26	[illegible]6154	0.124035	3.8	0.1	0.6	160	49223	258519	7875716	0.02	2440000	#N/[illegible]	[illegible]N/A	0	
URANIUM-235	[illegible]	NGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2[illegible]	[illegible]615	0.12403	3.8	0.1	0.6	7	1.71429	0.48795	12	1	2	#N[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlat[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	0	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	26	0.146154	0.12403	3.8	0.1	0.6	15168	581.52304	3916.8679	8820541	1	160000	-0.08155	0.74	19	
URANIUM-235	0	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	26	0.146154	0.12403	3.8	0.1	0.6	42074	243.3273	2387.0571	10237753	0.01	151000	-0.1023	0.6265	25	
URANIUM-235	0	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	26	0.146154	0.124035	3.8	0.1	0.6	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	15	
URANIUM-235	0	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	26	0.146154	0.124035	3.8	0.1	0.6	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.03696	0.888	17	
URANIUM-235	0	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	26	0.146154	0.124035	3.8	0.1	0.6	19215	76.162741	672.33574	1463487	0.5	17000	-1	0.0001	18	*
URANIUM-235	0	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	26	0.146154	0.124035	3.8	0.1	0.6	12890	18.184867	47.752014	234403	1	2400	-0.13289	0.6237	16	
URANIUM-235	0	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	26	0.146154	0.124035	3.8	0.1	0.6	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.16688	0.6042	12	
URANIUM-235	0	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	26	0.146154	0.124035	3.8	0.1	0.6	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-235	0	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	26	0.146154	0.124035	3.8	0.1	0.6	99613	7.568876	0.845555	753938	0.1	14	0.22195	0.3208	22	
URANIUM-235	0	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	26	0.146154	0.124035	3.8	0.1	0.6	15132	5.739795	49.016961	86855	1	3000	0.14301	0.5592	19	
URANIUM-235	0	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	26	0.146154	0.124035	3.8	0.1	0.6	7729	6.108779	70.618386	47215	1	5800	0.11928	0.66	16	
URANIUM-235	0	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	26	0.146154	0.124035	3.8	0.1	0.6	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	9	
URANIUM-235	0	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	26	0.146154	0.124035	3.8	0.1	0.6	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-235	0	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	26	0.146154	0.124035	3.8	0.1	0.6	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	1	
URANIUM-235	0	URANIUM-238	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	26	0.146154	0.124035	3.8	0.1	0.6	26	2.017692	3.112414	52.46	0.1	12	0.95209	0.0001	26	*
URANIUM-235	0	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	26	0.146154	0.124035	3.8	0.1	0.6	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-235	5	ALKALINITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-235	5	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-235	5	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-235	5	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-235	5	DEPTH-BELOW-LAN	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-235	5	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153697	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-235	5	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-235	5	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	5	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-235	5	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-235	5	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-235	5	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-235	5	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184887	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-235	5	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-235	5	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
URANIUM-235	5	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-235	5	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-235	5	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-235	5	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-235	5	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-235	5	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.616386	47215	1	5800	#N/A	#N/A	0	
URANIUM-235	5	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-235	5	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-235	5	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-235	5	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-235	5	URANIUM-238	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
URANIUM-235	5	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-235	20	ALKALINITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-235	20	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-235	20	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-235	20	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293926	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-235	20	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033879	0.2	12000	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	88.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-235	20	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-235	20	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
URANIUM-235	20	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-235	20	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-235	20	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-235	[illegible]	[illegible]YANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	[illegible]	[illegible]/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/[illegible]	[illegible]/A	0	
URANIUM-235	[illegible]	[illegible]ANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	[illegible]	[illegible]A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlations and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	20	DEPTH-BELOW-LAN	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-235	20	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-235	20	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-235	20	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-235	20	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-235	20	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-235	20	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-235	20	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	576	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-235	20	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-235	20	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-235	20	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016981	86855	1	3000	#N/A	#N/A	0	
URANIUM-235	20	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
URANIUM-235	20	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-235	20	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-235	20	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-235	20	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-235	20	URANIUM-238	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
URANIUM-235	20	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-235	50	ALKALINITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	50	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-235	50	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-235	50	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-235	50	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-235	50	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-235	50	DEPTH-BELOW-LAN	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-235	50	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-235	50	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-235	50	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2367.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-235	50	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-235	50	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-235	50	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.948496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-235	50	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-235	50	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-235	50	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-235	50	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-235	50	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.616386	47215	1	5800	#N/A	#N/A	0	
URANIUM-235	50	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-235	50	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.289574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-235	50	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-235	50	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-235	50	URANIUM-238	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
URANIUM-235	50	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-235	50	ALKALINITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-235	[illegible]	[illegible]NTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	[illegible]	[illegible]/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	[illegible]	[illegible]#N/A	0	

Appendix E-threshold. National Correlation analysis. Correla[illegible]ients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	60	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-235	60	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-235	60	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-235	60	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-235	60	DEPTH-BELOW-LAN	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-235	60	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-235	60	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-235	60	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15166	561.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-235	60	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.138363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-235	60	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-235	60	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-235	60	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568876	0.645555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-235	60	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-235	60	RADON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-235	60	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-235	60	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	

Appendix E-threshold, National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	60	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-235	60	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-235	60	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-235	60	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-235	60	URANIUM-238	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	2.017692	3.112414	52.46	0.1	12	#N/A	#N/A	0	
URANIUM-235	60	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-238	0	ALKALINITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	26	2.017692	3.112414	52.46	0.1	12	8351	141.86443	79.888743	1184710	0.9	1800	0.67173	0.3283	4	
URANIUM-238	0	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	26	2.017692	3.112414	52.46	0.1	12	3697	8.682685	216.40147	32100	0.2	12000	0.33728	0.2837	12	
URANIUM-238	0	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	26	2.017692	3.112414	52.46	0.1	12	969	27.159099	88.389881	26317	1	350	-0.34693	0.188	16	
URANIUM-238	0	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	26	2.017692	3.112414	52.46	0.1	12	19173	53.91325	102.63829	1033679	0.2	12000	0.09861	0.6879	19	
URANIUM-238	0	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	26	2.017692	3.112414	52.46	0.1	12	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	26	2.017692	3.112414	52.46	0.1	12	7990	86.273276	96.975617	689323	5	3000	-0.27679	0.3179	15	
URANIUM-238	0	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	26	2.01769	3.11241	52.46	0.1	12	13507	4.19948	113.72045	56722	0.05	12000	-0.25577	0.3057	18	
URANIUM-238	0	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	26	2.01769	3.11241	52.46	0.1	12	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	16	
URANIUM-238	0	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	26	2.017692	3.112414	52.46	0.1	12	20131	4.525946	98.232558	91112	0.01	12000	0.28136	0.2432	19	
URANIUM-238	0	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	26	2.017692	3.112414	52.46	0.1	12	16049	2.254265	3.179993	36179	1	140	-0.19171	0.4317	19	
URANIUM-238	0	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	26	2.017692	3.112414	52.46	0.1	12	17823	7.326853	100.60661	130587	0.01	12000	-0.57861	0.0094	19	*
URANIUM-238	0	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	26	2.017692	3.112414	52.46	0.1	12	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	26	2.017692	3.112414	52.46	0.1	12	14432	5.940315	14.892349	85731	1	765	-0.29458	0.2681	16	
URANIUM-238	0	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	26	2.017692	3.112414	52.46	0.1	12	151404	835.24242	7585.0802	126459043	1	2400000	0.24502	0.2718	22	
URANIUM-238	0	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	26	2.017692	3.112414	52.46	0.1	12	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-238	0	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	26	2.017692	3.112414	52.46	0.1	12	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-238	0	DEPTH-BELOW-LAN	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	26	2.017692	3.112414	52.46	0.1	12	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-238	0	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	26	2.017692	3.112414	52.46	0.1	12	83235	542.51758	153897	45156451	0.1	44400000	-0.10104	0.7959	9	
URANIUM-238	0	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	26	2.017692	3.112414	52.46	0.1	12	45639	642.85223	3429.8776	29339133	3	322000	0.12785	0.5808	21	
URANIUM-238	0	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	26	2.017692	3.112414	52.46	0.1	12	58733	243.24843	454.78754	14286710	1	17000	0.04933	0.8149	25	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	26	2.017692	3.112414	52.46	0.1	12	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	26	2.017692	3.112414	52.46	0.1	12	16528	3675.8675	37212	60754738	10	2800000	-0.05079	0.8518	16	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	26	2.017692	3.112414	52.46	0.1	12	43140	5389.2633	68858	232492818	0.1	2750000	-0.12866	0.5399	25	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	26	2.017692	3.112414	52.46	0.1	12	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	26	2.01769	3.11241	52.46	0.1	12	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	26	2.01769	3.11241	52.46	0.1	12	15168	581.52304	3916.8679	8820541	1	160000	-0.10468	0.6698	19	
URANIUM-238	0	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	26	2.01769	3.11241	52.46	0.1	12	42074	243.3273	2387.0571	10237753	0.01	151000	-0.14297	0.4954	25	
URANIUM-238	0	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	26	2.017692	3.112414	52.46	0.1	12	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	15	
URANIUM-238	0	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	26	2.017692	3.112414	52.46	0.1	12	11068	0.118446	0.362079	1310.95512	0.04	28.333333	-0.0435	0.8683	17	
URANIUM-238	0	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	26	2.017692	3.112414	52.46	0.1	12	19215	76.162741	672.33574	1463467	0.5	17000	-0.72418	0.0007	18	*
URANIUM-238	0	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	26	2.017692	3.112414	52.46	0.1	12	12890	18.184867	47.752014	234403	1	2400	-0.15445	0.5679	16	
URANIUM-238	0	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	26	2.017692	3.112414	52.46	0.1	12	49228	0.034175	0.178812	1682.36412	0.001	7.1	-0.22819	0.4757	12	
URANIUM-238	0	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	26	2.017692	3.112414	52.46	0.1	12	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-238	0	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	26	2.017692	3.112414	52.46	0.1	12	99613	7.588676	0.845555	753938	0.1	14	0.31692	0.1507	22	
URANIUM-238	[illegible]	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	26	[illegible]017692	3.112414	52.46	0.1	12	15132	5.739795	49.016961	86855	1	3000	0.27[illegible]	0.2569	19	
URANIUM-238	[illegible]	ELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	[illegible]	[illegible]7692	3.112414	52.46	0.1	12	7729	6.108779	70.618386	47215	1	5800	0[illegible]	[illegible]0.6948	16	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	0	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	26	2.017692	3.112414	52.46	0.1	12	352	30.269574	23.93811	10655	0.1	50	0	1	9	
URANIUM-238	0	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	26	2.017692	3.112414	52.46	0.1	12	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-238	0	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	26	2.017692	3.112414	52.46	0.1	12	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	1	
URANIUM-238	0	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	26	2.017692	3.112414	52.46	0.1	12	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-238	5	ALKALINITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3	9.333333	3.785939	28	5	12	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-238	5	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3	9.333333	3.785939	28	5	12	3697	6.662685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-238	5	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3	9.333333	3.785939	28	5	12	969	27.159099	88.369881	26317	1	350	-0.99124	0.0843	3	
URANIUM-238	5	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	3	9.333333	3.785939	28	5	12	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-238	5	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3	9.333333	3.785939	28	5	12	9000	8.138151	50.541445	73243	1	3100	-0.94842	0.2054	3	
URANIUM-238	5	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3	9.333333	3.785939	28	5	12	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3	9.333333	3.785939	28	5	12	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3	9.333333	3.785939	28	5	12	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	3	
URANIUM-238	5	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3	9.33333	3.78594	28	5	12	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-238	5	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3	9.33333	3.78594	28	5	12	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	3	
URANIUM-238	5	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3	9.333333	3.785939	28	5	12	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-238	5	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3	9.333333	3.785939	28	5	12	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	3	
URANIUM-238	5	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3	9.333333	3.785939	28	5	12	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3	9.333333	3.785939	28	5	12	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3	9.333333	3.785939	28	5	12	14432	5.940315	14.892349	85731	1	765	-0.99124	0.0843	3	
URANIUM-238	5	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3	9.333333	3.785939	28	5	12	151404	835.24242	7585.0802	126459043	1	2400000	1	#N/A	2	
URANIUM-238	5	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3	9.333333	3.785939	28	5	12	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-238	5	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	3	9.333333	3.785939	28	5	12	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-238	5	DEPTH-BELOW-LAN	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3	9.333333	3.785939	28	5	12	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-238	5	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3	9.333333	3.785939	28	5	12	83235	542.51758	153897	45156451	0.1	44400000	-1.00573	#N/A	2	
URANIUM-238	5	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3	9.333333	3.785939	28	5	12	45639	642.85223	3429.8776	29339133	3	322000	0.03856	0.9754	3	
URANIUM-238	5	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3	9.333333	3.785939	28	5	12	58733	243.24843	454.78754	14286710	1	17000	-0.13207	0.9157	3	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3	9.333333	3.785939	28	5	12	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3	9.333333	3.785939	28	5	12	16528	3675.8675	37212	60754738	10	2800000	-0.99124	0.0843	3	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3	9.333333	3.785939	28	5	12	43140	5389.2633	68858	232492818	0.1	2750000	-0.94048	0.2208	3	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	3	9.333333	3.785939	28	5	12	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3	9.33333	3.78594	28	5	12	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3	9.33333	3.78594	28	5	12	15168	581.52304	3916.8679	8820541	1	160000	-0.99893	0.0294	3	*
URANIUM-238	5	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3	9.33333	3.78594	28	5	12	42074	243.3273	2387.0571	10237753	0.01	151000	-0.99267	0.0771	3	
URANIUM-238	5	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3	9.333333	3.785939	28	5	12	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-238	5	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3	9.333333	3.785939	28	5	12	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	3	
URANIUM-238	5	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3	9.333333	3.785939	28	5	12	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-238	5	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3	9.333333	3.785939	28	5	12	12890	18.184867	47.752014	234403	1	2400	-0.99124	0.0843	3	
URANIUM-238	5	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	3	9.333333	3.785939	28	5	12	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-238	5	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3	9.333333	3.785939	28	5	12	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	3	
URANIUM-238	5	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3	9.333333	3.785939	28	5	12	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-238	5	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3	9.333333	3.785939	28	5	12	99613	7.568676	0.845555	753938	0.1	14	-1	#N/A	2	
URANIUM-238	5	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	3	9.333333	3.785939	28	5	12	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	5	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	3	9.333333	3.785939	28	5	12	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-238	5	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	3	9.333333	3.785939	28	5	12	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-238	5	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	3	9.333333	3.785939	28	5	12	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-238	5	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	3	9.333333	3.785939	28	5	12	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-238	5	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3	9.333333	3.785939	28	5	12	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-238	5	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3	9.333333	3.785939	28	5	12	7729	6.108779	70.618386	47215	1	5800	0.38125	0.751	3	
URANIUM-238	5	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	3	9.333333	3.785939	28	5	12	61449	203.15791	972.75089	12483850	0.01	64000	0.38125	0.751	3	
URANIUM-238	5	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3	9.333333	3.785939	28	5	12	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-238	5	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3	9.333333	3.785939	28	5	12	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-238	5	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	3	9.333333	3.785939	28	5	12	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-238	5	URANIUM-235	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3	9.333333	3.785939	28	5	12	26	0.146154	0.124035	3.8	0.1	0.6	0.9305	0.2367	3	
URANIUM-238	5	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	3	9.333333	3.785939	28	5	12	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-238	20	ALKALINITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-238	20	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-238	20	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-238	20	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-238	20	DEPTH-BELOW-LAN	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-238	20	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51756	153897	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-238	20	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-238	20	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2367.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-238	[illegible]	[illegible]ERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	[illegible]	[illegible]A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N[illegible]	[illegible]N/A	0	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]ents and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	20	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-238	20	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463487	0.5	17000	#N/A	#N/A	0	
URANIUM-238	20	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-238	20	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-238	20	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.38412	0.001	7.1	#N/A	#N/A	0	
URANIUM-238	20	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-238	20	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.588676	0.845555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-238	20	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-238	20	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-238	20	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-238	20	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
URANIUM-238	20	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-238	20	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-238	20	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-238	20	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-238	20	URANIUM-235	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
URANIUM-238	20	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-238	50	ALKALINITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-238	50	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	8.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-238	50	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-238	50	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-238	50	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-238	50	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-238	50	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24248	33687	0.5	710	#N/A	#N/A	0	
URANIUM-238	50	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-238	50	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-238	50	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-238	50	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-238	50	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-238	50	DEPTH-BELOW-LAN	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-238	50	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-238	50	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45839	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-238	50	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	

Appendix E-threshold. National Correlation analysis. Correlation coefficients and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875716	0.02	2440000	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2367.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-238	50	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-238	50	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184867	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-238	50	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-238	50	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.036336	15.4	0.007	0.46	#N/A	#N/A	0	
URANIUM-238	50	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-238	50	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-238	50	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-238	50	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
URANIUM-238	50	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-238	50	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-238	50	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-238	50	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-238	50	URANIUM-235	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
URANIUM-238	50	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
URANIUM-238	60	ALKALINITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	8351	141.86443	79.888743	1184710	0.9	1800	#N/A	#N/A	0	
URANIUM-238	60	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3697	6.682685	216.40147	32100	0.2	12000	#N/A	#N/A	0	
URANIUM-238	60	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	969	27.159099	88.389881	26317	1	350	#N/A	#N/A	0	
URANIUM-238	60	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10397	18.293928	493.01898	190202	1	32000	#N/A	#N/A	0	
URANIUM-238	60	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9000	8.138151	50.541445	73243	1	3100	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19173	53.91325	102.63829	1033679	0.2	12000	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7990	86.273276	96.975617	689323	5	3000	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	13507	4.19948	113.72045	56722	0.05	12000	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	9762	3.45088	8.24246	33687	0.5	710	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	20131	4.525946	98.232558	91112	0.01	12000	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16049	2.254265	3.179993	36179	1	140	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	17823	7.326853	100.60661	130587	0.01	12000	#N/A	#N/A	0	
URANIUM-238	[illegible]	[illegible]ROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	[illegible]	#N/A	#N/A	#N/A	#N/A	#N/A	880	1.170455	1.484249	1030	1	20	#N/[illegible]	[illegible]/A	0	

Appendix E-threshold. National Correlation analysis. Correlati[illegible]nts and summary statistics by threshold level (surface water).

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	60	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14432	5.940315	14.892349	85731	1	765	#N/A	#N/A	0	
URANIUM-238	60	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	151404	835.24242	7585.0802	126459043	1	2400000	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	4413	0.026723	0.713462	117.928667	0.001	42	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	307	0.052834	0.444387	16.22	0.01	6	#N/A	#N/A	0	
URANIUM-238	60	DEPTH-BELOW-LAN	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	178	43.107191	64.532141	7673.08	0.01	544	#N/A	#N/A	0	
URANIUM-238	60	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	83235	542.51758	153897	45156451	0.1	44400000	#N/A	#N/A	0	
URANIUM-238	60	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	45639	642.85223	3429.8776	29339133	3	322000	#N/A	#N/A	0	
URANIUM-238	60	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58733	243.24843	454.78754	14286710	1	17000	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	16528	3675.8675	37212	60754738	10	2800000	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	43140	5389.2633	68858	232492818	0.1	2750000	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	160	49223	258519	7875718	0.02	2440000	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7	1.71429	0.48795	12	1	2	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15168	581.52304	3916.8679	8820541	1	160000	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	42074	243.3273	2387.0571	10237753	0.01	151000	#N/A	#N/A	0	
URANIUM-238	60	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5608	0.136363	0.791919	764.723333	0.1	50	#N/A	#N/A	0	
URANIUM-238	60	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11068	0.118446	0.362079	1310.95512	0.04	28.333333	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	19215	76.162741	672.33574	1463467	0.5	17000	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	12890	18.184667	47.752014	234403	1	2400	#N/A	#N/A	0	
URANIUM-238	60	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	27516	2.33807	13.946496	64334	0.001	1800	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	49228	0.034175	0.178812	1682.36412	0.001	7.1	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10597	0.022854	0.115399	242.179118	0.001	10.121667	#N/A	#N/A	0	
URANIUM-238	60	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	99613	7.568676	0.845555	753938	0.1	14	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.11	0.031623	1.1	0.1	0.2	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	624	0.110433	0.221947	68.91	0.02	3	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	578	0.026644	0.038336	15.4	0.007	0.48	#N/A	#N/A	0	
URANIUM-238	60	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	37.441176	53.295844	3819	15	330	#N/A	#N/A	0	
URANIUM-238	60	RADON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	102	318.25	498.76308	32462	24	3300	#N/A	#N/A	0	
URANIUM-238	60	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	15132	5.739795	49.016961	86855	1	3000	#N/A	#N/A	0	
URANIUM-238	60	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	7729	6.108779	70.618386	47215	1	5800	#N/A	#N/A	0	
URANIUM-238	60	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	61449	203.15791	972.75089	12483850	0.01	64000	#N/A	#N/A	0	
URANIUM-238	60	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	352	30.269574	23.93811	10655	0.1	50	#N/A	#N/A	0	
URANIUM-238	60	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1005	21.559701	50.912504	21668	1	500	#N/A	#N/A	0	
URANIUM-238	60	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	34709	38.379662	405.66108	1332120	0.1	36500	#N/A	#N/A	0	
URANIUM-238	60	URANIUM-235	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	26	0.146154	0.124035	3.8	0.1	0.6	#N/A	#N/A	0	
URANIUM-238	60	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	581	398.67981	390.97008	231633	3	1980	#N/A	#N/A	0	
WELL-DEPTH	0	ALKALINITY	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	581	398.67981	390.97008	231633	3	1980	8351	141.86443	79.888743	1184710	0.9	1800	-0.00307	0.9917	14	
WELL-DEPTH	0	CONDUCTANCE	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	581	398.67981	390.97008	231633	3	1980	151404	835.24242	7585.0802	126459043	1	2400000	-0.23489	0.0001	408	*
WELL-DEPTH	0	DEPTH-BELOW-LAN	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P72019	DEPTH BELOW LAND-P72019 (FEET)	581	398.67981	390.97008	231633	3	1980	178	43.107191	64.532141	7673.08	0.01	544	0.28068	0.0007	144	*
WELL-DEPTH	0	DISSOLVED-OXYGE	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	581	398.67981	390.97008	231633	3	1980	83235	542.51758	153897	45156451	0.1	44400000	0.17164	0.2541	46	
WELL-DEPTH	0	PH	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	581	398.67981	390.97008	231633	3	1980	99613	7.568676	0.845555	753938	0.1	14	0.43504	0.0001	396	*
WELL-DEPTH	0	TURBIDITY	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00076	TURBIDITY-P00076-(NTU)	581	398.67981	390.97008	231633	3	1980	34709	38.379662	405.66108	1332120	0.1	36500	-0.34287	0.7772	3	

Appendix F

Regional Level Results

Overall: Correlation coefficient results for ground and surface water. Data are summarized irrespective of constituent threshold level.

Threshold: Correlation coefficient results for ground and surface water respectively. These files show the correlation analyses and summary statistics for each constituent combination, including by threshold, and also indicate whether or not there is significance based on P-value.

Significant: List of significant (based on P-value) correlation coefficient results.

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)																		
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)				N=44			N=54			N=54		N=54			N=54			
ANTIMONY-TOTAL-P01097-(UG/L AS SB)																		
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)		N=44					-0.102 0.439 N=60			-0.078 0.552 N=60		-0.037 0.779 N=60			N=44			
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)															0.461 0.113 N=13			
BARIUM-DISSOLVED-P01005-(UG/L AS BA)		N=54		-0.102 0.439 N=60						0.573 0.000 N=384		0.085 0.094 N=384			-0.091 0.083 N=368			
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)																		
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)		N=54		-0.078 0.552 N=60			0.573 0.000 N=384					-0.034 0.501 N=384			-0.197 0.000 N=368			
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)																		
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)		N=54		-0.037 0.779 N=60			0.085 0.094 N=384			-0.034 0.501 N=384					-0.017 0.746 N=368			
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)																		
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)		N=54		N=44		0.461 0.113 N=13	-0.091 0.083 N=368			-0.197 0.000 N=368		-0.017 0.746 N=368						

(1st value=correlation coefficient 2nd value 3rd value=semple size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)																		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)																		
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)																		
CYANIDE-TOTAL-P00720-(MG/L AS CN)		N=10		N=10			N=10			N=10		N=10			N=10			
DEPTH BELOW LAND-P72019 (FEET)		N=13		0.229 0.250 N=27			-0.460 0.114 N=13			N=13		N=13			0.379 0.202 N=13			
DEPTH OF WELL-P72008-(FEET)		N=53		0.153 0.164 N=84		-0.515 0.072 N=13	-0.269 0.000 N=338			-0.140 0.010 N=338		0.040 0.462 N=338			-0.044 0.427 N=331			
DISSOLVED SOLIDS-P70301-(MG/L)		N=43		0.007 0.951 N=77		0.876 0.000 N=12	0.414 0.000 N=372			0.271 0.000 N=372		0.042 0.419 N=372			0.782 0.000 N=368			
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)		N=54		0.033 0.760 N=88		0.909 0.000 N=18	0.494 0.000 N=384			0.382 0.000 N=384		0.025 0.630 N=384			0.512 0.000 N=381			
IRON-DISSOLVED-P01046-(UG/L AS FE)		N=54		0.077 0.477 N=88		0.544 0.055 N=13	-0.056 0.275 N=384			-0.059 0.249 N=384		0.314 0.000 N=384			-0.003 0.947 N=381			
IRON-FERROUS-P01047-(UG/L)																		
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)						0.838 0.000 N=18									0.115 0.709 N=13			
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)		N=54		-0.036 0.739 N=88		-0.385 0.194 N=13	0.323 0.000 N=384			0.211 0.000 N=384		0.051 0.314 N=384			-0.015 0.770 N=381			
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
MANGANESE-TOTAL-P01055-(UG/L AS MN)						-0.098 0.700 N=18									-0.207 0.497 N=13			
MERCURY-DISSOLVED-P71890-(UG/L AS HG)																		
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)																		
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		N=54		N=44			-0.504 0.000 N=368			-0.669 0.000 N=368		0.089 0.088 N=368			0.220 0.000 N=368			
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)																		
NITROGEN-NITRATE-P00618-(MG/L AS N)				--na--		-0.740 0.470 N=3	0.604 0.001 N=27			0.466 0.014 N=27		N=27			-0.189 0.316 N=30			
NITROGEN-NITRITE-P00613-(MG/L AS N)		N=23		-0.027 0.840 N=57		-0.127 0.678 N=13	0.001 0.988 N=353			-0.032 0.555 N=353		-0.036 0.498 N=353			-0.004 0.939 N=350			
NITROGEN-NITRITE-P00615-(MG/L AS N)																		
OXYGEN-DISSOLVED-P00300-(MG/L)		N=23		-0.162 0.268 N=49		-0.513 0.377 N=5	0.281 0.000 N=175			0.470 0.000 N=175		-0.094 0.214 N=175			-0.312 0.000 N=172			
PH WH-FIELD-P00400-(STANDARD UNITS)		N=47		0.083 0.460 N=81		0.396 0.181 N=13	-0.036 0.487 N=377			0.030 0.558 N=377		-0.013 0.806 N=377			0.095 0.066 N=374			
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)																		
RADIUM 226-DISSOLVED-P09511-(PCI/L)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)																		
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)				-0.149 0.450 N=28														
RADON 222-TOTAL-P82303-(PCI/L)				-0.141 0.475 N=28		0.312 0.798 N=3												
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)		N=44		N=44		N=13	N=44			N=44		N=44			N=57			
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)																		
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)		N=47		-0.047 0.674 N=81		0.722 0.005 N=13	0.482 0.000 N=375			0.276 0.000 N=375		0.061 0.239 N=375			0.605 0.000 N=372			
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		N=54		0.223 0.037 N=88		-0.327 0.299 N=12	0.104 0.042 N=384			0.026 0.612 N=384		0.014 0.790 N=384			-0.071 0.167 N=380			
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)																		
THALLIUM-TOTAL-P01059-(UG/L AS TL)																		
TURBIDITY-P00076-(NTU)							-0.112 0.061 N=282			-0.042 0.483 N=282		-0.038 0.526 N=282			-0.021 0.725 N=282			
URANIUM 235-DISSOLVED-P22620-(PCI/L)																		
URANIUM 238-DISSOLVED-P22603-(PCI/L)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)																		
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)		N=10	N=13	N=53	N=43	N=54	N=54				N=54						N=54	
ANTIMONY-TOTAL-P01097-(UG/L AS SB)																		
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)		N=10	0.229 0.250 N=27	0.153 0.164 N=84	0.007 0.951 N=77	0.033 0.760 N=88	0.077 0.477 N=88				-0.036 0.739 N=88						N=44	
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)				-0.515 0.072 N=13	0.876 0.000 N=12	0.909 0.000 N=18	0.544 0.055 N=13			0.838 0.000 N=18	-0.385 0.194 N=13		-0.098 0.700 N=18					
BARIUM-DISSOLVED-P01005-(UG/L AS BA)		N=10	-0.460 0.114 N=13	-0.269 0.000 N=338	0.414 0.000 N=372	0.494 0.000 N=384	-0.056 0.275 N=384				0.323 0.000 N=384						-0.504 0.000 N=368	
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)																		
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)		N=10	N=13	-0.140 0.010 N=338	0.271 0.000 N=372	0.382 0.000 N=384	-0.059 0.249 N=384				0.211 0.000 N=384						-0.669 0.000 N=368	
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)																		
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)		N=10	N=13	0.040 0.462 N=338	0.042 0.419 N=372	0.025 0.630 N=384	0.314 0.000 N=384				0.051 0.314 N=384						0.089 0.088 N=368	
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)																		
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)		N=10	0.379 0.202 N=13	-0.044 0.427 N=331	0.782 0.000 N=368	0.512 0.000 N=381	-0.003 0.947 N=381			0.115 0.709 N=13	-0.015 0.770 N=381		-0.207 0.497 N=13				0.220 0.000 N=368	

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)																		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)																		
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)																		
CYANIDE-TOTAL-P00720-(MG/L AS CN)				N=10	N=7	N=10	N=10				N=10						N=10	
DEPTH BELOW LAND-P72019-(FEET)				0.028 0.634 N=296	0.040 0.566 N=204	0.026 0.710 N=204	-0.105 0.132 N=206				-0.190 0.006 N=206						0.167 0.585 N=13	
DEPTH OF WELL-P72008-(FEET)		N=10	0.028 0.634 N=296		-0.094 0.016 N=660	-0.021 0.533 N=868	-0.004 0.891 N=1300			-0.363 0.000 N=144	-0.095 0.001 N=1236		-0.272 0.001 N=144				0.141 0.011 N=326	
DISSOLVED SOLIDS-P70301-(MG/L)		N=7	0.040 0.566 N=204	-0.094 0.016 N=660		0.845 0.000 N=718	0.362 0.000 N=652			0.221 0.182 N=38	0.119 0.002 N=652		0.109 0.516 N=38				-0.173 0.001 N=356	
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)		N=10	0.026 0.710 N=204	-0.021 0.533 N=868	0.845 0.000 N=718		0.249 0.000 N=732			0.280 0.000 N=155	0.057 0.144 N=667		0.241 0.003 N=155				-0.392 0.000 N=368	
IRON-DISSOLVED-P01046-(UG/L AS FE)		N=10	-0.105 0.132 N=206	-0.004 0.891 N=1300	0.362 0.000 N=652	0.249 0.000 N=732					0.053 0.058 N=1298		0.362 0.076 N=25				0.035 0.500 N=368	
IRON-FERROUS-P01047-(UG/L)																		
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)				-0.363 0.000 N=144	0.221 0.182 N=38	0.280 0.000 N=155					0.061 0.774 N=25		0.479 0.000 N=157					
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)		N=10	-0.190 0.006 N=206	-0.095 0.001 N=1236	0.119 0.002 N=652	0.057 0.144 N=667	0.053 0.058 N=1298			0.061 0.774 N=25							-0.101 0.054 N=368	
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
MANGANESE-TOTAL-P01055-(UG/L AS MN)				-0.272 0.001 N=144	0.109 0.516 N=38	0.241 0.003 N=155	0.362 0.076 N=25			0.479 0.000 N=157								
MERCURY-DISSOLVED-P71890-(UG/L AS HG)																		
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)																		
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		N=10	0.167 0.585 N=13	0.141 0.011 N=326	-0.173 0.001 N=356	-0.392 0.000 N=368	0.035 0.500 N=368				-0.101 0.054 N=368							
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)																		
NITROGEN-NITRATE-P00618-(MG/L AS N)			0.796 0.000 N=20	-0.040 0.619 N=156	0.366 0.000 N=110	0.663 0.000 N=128	-0.157 0.202 N=68			-0.774 0.436 N=3	-0.050 0.691 N=66		0.901 0.286 N=3				-0.105 0.603 N=27	
NITROGEN-NITRITE-P00613-(MG/L AS N)			0.025 0.716 N=206	-0.062 0.092 N=747	0.119 0.002 N=672	0.167 0.000 N=715	-0.015 0.693 N=658			-0.110 0.721 N=13	-0.014 0.730 N=631		0.229 0.453 N=13				0.046 0.401 N=337	
NITROGEN-NITRITE-P00615-(MG/L AS N)																		
OXYGEN-DISSOLVED-P00300-(MG/L)			-0.112 0.085 N=236	-0.168 0.000 N=1100	-0.088 0.058 N=467	-0.178 0.000 N=539	-0.090 0.014 N=762			-0.347 0.056 N=31	-0.321 0.000 N=706		-0.426 0.017 N=31				-0.467 0.000 N=167	
PH WH-FIELD-P00400-(STANDARD UNITS)		N=3	-0.100 0.099 N=276	0.184 0.000 N=2303	0.202 0.000 N=710	0.137 0.000 N=806	0.128 0.000 N=1045			0.162 0.324 N=39	0.003 0.919 N=982		0.058 0.725 N=39				-0.156 0.003 N=361	
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)																		
RADIUM 226-DISSOLVED-P09511-(PCI/L)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)																		
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)			0.175 0.551 N=14	-0.225 0.240 N=29	-0.102 0.599 N=29	-0.062 0.748 N=29	0.035 0.857 N=29				-0.203 0.291 N=29							
RADON 222-TOTAL-P82303-(PCI/L)			0.173 0.554 N=14	-0.158 0.240 N=57	-0.169 0.381 N=29	-0.215 0.196 N=38	0.062 0.749 N=29			0.651 0.058 N=9	-0.154 0.424 N=29		0.394 0.295 N=9					
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)		N=10	N=13	N=49	N=45	N=57	N=57			N=13	N=57		N=13				N=44	
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)																		
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)		N=3	-0.146 0.012 N=295	-0.146 0.000 N=2342	0.933 0.000 N=658	0.908 0.000 N=737	0.261 0.000 N=1043			0.290 0.074 N=39	0.089 0.006 N=980		0.131 0.425 N=39				-0.186 0.000 N=359	
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		N=10	-0.085 0.228 N=204	-0.070 0.022 N=1076	0.151 0.000 N=718	0.098 0.005 N=815	0.021 0.492 N=1053			-0.133 0.425 N=38	0.107 0.001 N=983		0.166 0.318 N=38				-0.005 0.929 N=368	
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)																		
THALLIUM-TOTAL-P01059-(UG/L AS TL)																		
TURBIDITY-P00076-(NTU)				0.074 0.229 N=263	-0.046 0.440 N=281	0.003 0.956 N=282	0.076 0.194 N=294				-0.021 0.715 N=294						-0.022 0.710 N=282	
URANIUM 235-DISSOLVED-P22620-(PCI/L)																		
URANIUM 238-DISSOLVED-P22603-(PCI/L)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)																		
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)			N=23		N=23	N=47									N=44			N=47
ANTIMONY-TOTAL-P01097-(UG/L AS SB)																		
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)		--na--	-0.027 0.840 N=57		-0.162 0.268 N=49	0.083 0.460 N=81							-0.149 0.450 N=28	-0.141 0.475 N=28	N=44			-0.047 0.674 N=81
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)		-0.740 0.470 N=3	-0.127 0.678 N=13		-0.513 0.377 N=5	0.396 0.181 N=13								0.312 0.798 N=3	N=13			0.722 0.005 N=13
BARIUM-DISSOLVED-P01005-(UG/L AS BA)		0.604 0.001 N=27	0.001 0.988 N=353		0.281 0.000 N=175	-0.036 0.487 N=377									N=44			0.482 0.000 N=375
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)																		
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)		0.466 0.014 N=27	-0.032 0.555 N=353		0.470 0.000 N=175	0.030 0.558 N=377									N=44			0.276 0.000 N=375
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)																		
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)		N=27	-0.036 0.498 N=353		-0.094 0.214 N=175	-0.013 0.806 N=377									N=44			0.061 0.239 N=375
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)																		
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)		-0.189 0.316 N=30	-0.004 0.939 N=350		-0.312 0.000 N=172	0.095 0.066 N=374									N=57			0.605 0.000 N=372

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 228-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)																		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)																		
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)																		
CYANIDE-TOTAL-P00720-(MG/L AS CN)						N=3									N=10			N=3
DEPTH BELOW LAND-P72019-(FEET)		0.796 0.000 N=20	0.025 0.716 N=206		-0.112 0.085 N=236	-0.100 0.099 N=276							0.175 0.551 N=14	0.173 0.554 N=14	N=13			-0.146 0.012 N=295
DEPTH OF WELL-P72008-(FEET)		-0.040 0.619 N=156	-0.062 0.092 N=747		-0.168 0.000 N=1100	0.184 0.000 N=2303							-0.225 0.240 N=29	-0.158 0.240 N=57	N=49			-0.146 0.000 N=2342
DISSOLVED SOLIDS-P70301-(MG/L)		0.366 0.000 N=110	0.119 0.002 N=672		-0.088 0.058 N=467	0.202 0.000 N=710							-0.102 0.599 N=29	-0.169 0.381 N=29	N=45			0.933 0.000 N=658
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)		0.663 0.000 N=128	0.167 0.000 N=715		-0.178 0.000 N=539	0.137 0.000 N=806							-0.062 0.748 N=29	-0.215 0.196 N=38	N=57			0.908 0.000 N=737
IRON-DISSOLVED-P01046-(UG/L AS FE)		-0.157 0.202 N=68	-0.015 0.693 N=658		-0.090 0.014 N=762	0.128 0.000 N=1045							0.035 0.857 N=29	0.062 0.749 N=29	N=57			0.261 0.000 N=1043
IRON-FERROUS-P01047-(UG/L)																		
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)		-0.774 0.436 N=3	-0.110 0.721 N=13		-0.347 0.056 N=31	0.162 0.324 N=39								0.651 0.058 N=9	N=13			0.290 0.074 N=39
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)		-0.050 0.691 N=66	-0.014 0.730 N=631		-0.321 0.000 N=706	0.003 0.919 N=982							-0.203 0.291 N=29	-0.154 0.424 N=29	N=57			0.089 0.006 N=980
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
MANGANESE-TOTAL-P01055-(UG/L AS MN)		0.901 0.286 N=3	0.229 0.453 N=13		-0.426 0.017 N=31	0.058 0.725 N=39								0.394 0.295 N=9	N=13			0.131 0.425 N=39
MERCURY-DISSOLVED-P71890-(UG/L AS HG)																		
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)																		
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		-0.105 0.603 N=27	0.046 0.401 N=337		-0.467 0.000 N=167	-0.156 0.003 N=361									N=44			-0.186 0.000 N=359
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)																		
NITROGEN-NITRATE-P00618-(MG/L AS N)			-0.054 0.494 N=164		-0.404 0.000 N=104	-0.328 0.000 N=147							--na--	--na--	N=3			0.105 0.369 N=76
NITROGEN-NITRITE-P00613-(MG/L AS N)		-0.054 0.494 N=164			-0.178 0.000 N=484	0.320 0.000 N=760							-0.156 0.419 N=29	-0.128 0.509 N=29	N=26			0.171 0.000 N=679
NITROGEN-NITRITE-P00615-(MG/L AS N)																		
OXYGEN-DISSOLVED-P00300-(MG/L)		-0.404 0.000 N=104	-0.178 0.000 N=484			-0.232 0.000 N=1115							0.213 0.266 N=29	0.291 0.126 N=29	N=18			-0.203 0.000 N=1063
PH WH-FIELD-P00400-(STANDARD UNITS)		-0.328 0.000 N=147	0.320 0.000 N=760		-0.232 0.000 N=1115								-0.191 0.321 N=29	-0.235 0.220 N=29	N=50			0.159 0.000 N=2308
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)																		
RADIUM 226-DISSOLVED-P09511-(PCI/L)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 228-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)																		
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)		--na--	-0.156 0.419 N=29		0.213 0.266 N=29	-0.191 0.321 N=29												-0.090 0.641 N=29
RADON 222-TOTAL-P82303-(PCI/L)		--na--	-0.128 0.509 N=29		0.291 0.126 N=29	-0.235 0.220 N=29												-0.145 0.452 N=29
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)		N=3	N=26		N=18	N=50												N=50
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)																		
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)		0.105 0.369 N=76	0.171 0.000 N=679		-0.203 0.000 N=1063	0.159 0.000 N=2308							-0.090 0.641 N=29	-0.145 0.452 N=29	N=50			
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		-0.301 0.000 N=137	0.002 0.960 N=733		-0.084 0.048 N=549	0.203 0.000 N=818							-0.245 0.201 N=29	-0.349 0.064 N=29	N=56			0.226 0.000 N=749
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)																		
THALLIUM-TOTAL-P01059-(UG/L AS TL)																		
TURBIDITY-P00076-(NTU)		-0.434 0.024 N=27	-0.033 0.580 N=282		-0.080 0.346 N=141	0.250 0.000 N=294												-0.078 0.186 N=292
URANIUM 235-DISSOLVED-P22620-(PCI/L)																		
URANIUM 238-DISSOLVED-P22603-(PCI/L)																		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)						
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	N=54					
ANTIMONY-TOTAL-P01097-(UG/L AS SB)						
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0.223 0.037 N=88					
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)						
ARSENIC-TOTAL-P01002-(UG/L AS AS)	-0.327 0.299 N=12					
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.104 0.042 N=384			-0.112 0.061 N=282		
BARIUM-SUSPENDED-P01006-(UG/L AS BA)						
BARIUM-TOTAL-P01007-(UG/L AS BA)						
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.026 0.612 N=384			-0.042 0.483 N=282		
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)						
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0.014 0.790 N=384			-0.038 0.526 N=282		
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)						
CADMIUM-TOTAL-P01027-(UG/L AS CD)						
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	-0.071 0.167 N=380			-0.021 0.725 N=282		

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PC/L)	URANIUM 238-DISSOLVED-P22603-(PC/L)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)						
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)						
CHROMIUM-TOTAL-P01034-(UG/L AS CR)						
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)						
CYANIDE-TOTAL-P00720-(MG/L AS CN)	N=10					
DEPTH BELOW LAND-P72019-(FEET)	-0.085 0.228 N=204					
DEPTH OF WELL-P72008-(FEET)	-0.070 0.022 N=1076			0.074 0.229 N=263		
DISSOLVED SOLIDS-P70301-(MG/L)	0.151 0.000 N=718			-0.046 0.440 N=281		
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.098 0.005 N=815			0.003 0.956 N=282		
IRON-DISSOLVED-P01046-(UG/L AS FE)	0.021 0.492 N=1053			0.076 0.194 N=294		
IRON-FERROUS-P01047-(UG/L)						
IRON-SUSPENDED-P01044-(UG/L AS FE)						
IRON-TOTAL-P01045-(UG/L AS FE)	-0.133 0.425 N=38					
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.107 0.001 N=983			-0.021 0.715 N=294		
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)						

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	0.166 0.318 N=38					
MERCURY-DISSOLVED-P71890-(UG/L AS HG)						
MERCURY-SUSPENDED-P71895-(UG/L AS HG)						
MERCURY-TOTAL REC-P71900-(UG/L AS HG)						
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	-0.005 0.929 N=368			-0.022 0.710 N=282		
NICKEL-SUSPENDED-P01066-(UG/L AS NI)						
NICKEL-TOTAL-P01067-(UG/L AS NI)						
NITROGEN-NITRATE-P00618-(MG/L AS N)	-0.301 0.000 N=137			-0.434 0.024 N=27		
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.002 0.960 N=733			-0.033 0.580 N=282		
NITROGEN-NITRITE-P00615-(MG/L AS N)						
OXYGEN-DISSOLVED-P00300-(MG/L)	-0.084 0.048 N=549			-0.080 0.346 N=141		
PH WH-FIELD-P00400-(STANDARD UNITS)	0.203 0.000 N=818			0.250 0.000 N=294		
RADIUM 226-BM PE-P04107-(PCI/G)						
RADIUM 226-DISSOLVED-P09510-(PCI/L)						
RADIUM 226-DISSOLVED-P09511-(PCI/L)						

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results
Ground Water-- Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)						
RADIUM 226-TOTAL-P09507-(PCI/L)						
RADIUM 228-BM PE-P04106-(PCI/G)						
RADON 222-PE-P76002-(PCI/L)	-0.245 0.201 N=29					
RADON 222-TOTAL-P82303-(PCI/L)	-0.349 0.064 N=29					
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	N=56					
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)						
SELENIUM-TOTAL-P01147-(UG/L AS SE)						
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.226 0.000 N=749			-0.078 0.186 N=292		
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)				-0.071 0.227 N=294		
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)						
THALLIUM-TOTAL-P01059-(UG/L AS TL)						
TURBIDITY-P00076-(NTU)	-0.071 0.227 N=294					
URANIUM 235-DISSOLVED-P22620-(PCI/L)						
URANIUM 238-DISSOLVED-P22603-(PCI/L)						

(1st value=correlation coefficient 2nd value 3rd value=sample size --na=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)																		
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)				0.259 0.145 N=33		0.476 0.040 N=19	0.043 0.194 N=927		--na--	0.002 0.949 N=927	--na--	-0.006 0.866 N=927		N=102	-0.006 0.850 N=927			N=102
ANTIMONY-TOTAL-P01097-(UG/L AS SB)				--na--		--na--	--na--		--na--	--na--	--na--	--na--		--na--	--na--			--na--
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)		0.259 0.145 N=33	--na--				-0.103 0.570 N=33		--na--	0.057 0.754 N=33	--na--	-0.088 0.628 N=33		--na--	-0.138 0.445 N=33			--na--
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)		0.476 0.040 N=19	--na--				0.084 0.716 N=21		--na--	-0.042 0.862 N=20	--na--	-0.044 0.855 N=20		N=54	0.133 0.576 N=20			0.146 0.293 N=54
BARIUM-DISSOLVED-P01005-(UG/L AS BA)		0.043 0.194 N=927	--na--	-0.103 0.570 N=33		0.084 0.716 N=21				0.215 0.000 N=929	--na--	0.240 0.000 N=956		N=113	0.149 0.000 N=953			0.249 0.008 N=113
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)		--na--	--na--	--na--		--na--				--na--	--na--	--na--		--na--	--na--			--na--
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)		0.002 0.949 N=927	--na--	0.057 0.754 N=33		-0.042 0.862 N=20	0.215 0.000 N=929		--na--			0.077 0.019 N=929		N=103	0.014 0.676 N=929			0.036 0.718 N=103
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)		--na--	--na--	--na--		--na--	--na--		--na--			--na--		--na--	--na--			--na--
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)		-0.006 0.866 N=927	--na--	-0.088 0.628 N=33		-0.044 0.855 N=20	0.240 0.000 N=956		--na--	0.077 0.019 N=929	--na--				0.098 0.001 N=1231			-0.006 0.919 N=276
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)		N=102	--na--	--na--		N=54	N=113		--na--	N=103	--na--				-0.016 0.791 N=276			0.010 0.863 N=331
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)		-0.006 0.850 N=927	--na--	-0.138 0.445 N=33		0.133 0.576 N=20	0.149 0.000 N=953		--na--	0.014 0.676 N=929	--na--	0.098 0.001 N=1231		-0.016 0.791 N=276				

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)																		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)		N=102	--na--	--na--		0.146 0.293 N=54	0.249 0.008 N=113		--na--	0.036 0.718 N=103	--na--	-0.006 0.919 N=276		0.010 0.863 N=331				
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)																		
CYANIDE-TOTAL-P00720-(MG/L AS CN)		N=5		N=5			N=5			N=5		N=5			N=5			
DEPTH BELOW LAND-P72019 (FEET)																		
DEPTH OF WELL-P72008-(FEET)																		
DISSOLVED SOLIDS-P70301-(MG/L)		0.124 0.000 N=891	--na--	-0.092 0.699 N=20		0.386 0.042 N=28	0.613 0.000 N=1045		--na--	0.233 0.000 N=893	--na--	0.437 0.000 N=1168		0.009 0.886 N=270	0.144 0.000 N=1165			0.075 0.216 N=270
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)		0.137 0.000 N=912	--na--	0.199 0.387 N=21		0.182 0.354 N=28	0.584 0.000 N=1067		--na--	0.038 0.250 N=914	--na--	0.024 0.405 N=1215		-0.049 0.401 N=294	0.066 0.021 N=1212			0.105 0.074 N=294
IRON-DISSOLVED-P01046-(UG/L AS FE)		0.058 0.082 N=901	--na--	-0.025 0.950 N=9		0.985 0.111 N=3	0.021 0.500 N=1056		--na--	-0.003 0.929 N=903	--na--	-0.028 0.329 N=1201		0.032 0.593 N=275	-0.021 0.466 N=1198			-0.071 0 239 N=275
IRON-FERROUS-P01047-(UG/L)																		
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)		-0.026 0.770 N=130	--na--	0.074 0.724 N=25		0.028 0.818 N=72	0.065 0.447 N=141		--na--	0.013 0.879 N=131	--na--	0.009 0.875 N=304		0.004 0.944 N=331	0.004 0.944 N=304			0.150 0.006 N=331
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)		0.057 0.085 N=927	--na--	0.059 0.746 N=33		0.159 0.493 N=21	0.466 0.000 N=1082		--na--	0.008 0.806 N=929	--na--	-0.036 0.203 N=1228		0.165 0.006 N=275	0.049 0.087 N=1225			0.198 0.001 N=275
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)																		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
MANGANESE-TOTAL-P01055-(UG/L AS MN)		0.265 0.166 N=29	--na--	0.252 0.225 N=25		0.168 0.159 N=72	-0.009 0.961 N=31		--na--	-0.352 0.057 N=30	--na--	0.066 0.728 N=30		N=54	0.373 0.043 N=30			-0.292 0.032 N=54
MERCURY-DISSOLVED-P71890-(UG/L AS HG)		--na--	--na--	--na--		--na--	--na--		--na--	--na--	--na--	--na--		--na--	--na--			--na--
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)		N=31	--na--	N=27		N=72	N=33		--na--	N=32	--na--	N=32		N=55	N=32			N=55
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		0.021 0.531 N=927	--na--	0.042 0.818 N=33		0.622 0.003 N=21	0.221 0.000 N=1082		--na--	0.029 0.373 N=929	--na--	0.176 0.000 N=1234		0.028 0.643 N=279	0.188 0.000 N=1231			0.375 0.000 N=279
NICKEL-SUSPENDED-P01066 (UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)		N=102	--na--	--na--		0.159 0.251 N=54	0.100 0.293 N=113		--na--	0.062 0.531 N=103	--na--	0.033 0.581 N=276		0.021 0.699 N=331	0.307 0.000 N=276			0.373 0.000 N=331
NITROGEN-NITRATE-P00618-(MG/L AS N)		0.321 0.000 N=628		0.199 0.375 N=22		0.334 0.008 N=63	0.445 0.000 N=697			-0.222 0.000 N=629		-0.005 0.882 N=799		-0.011 0.870 N=238	0.063 0.075 N=799			0.102 0.115 N=238
NITROGEN-NITRITE-P00613-(MG/L AS N)		0.026 0.431 N=924	--na--	0.051 0.780 N=33		-0.096 0.431 N=70	0.135 0.000 N=1079		--na--	0.013 0.683 N=926	--na--	-0.022 0.447 N=1191		0.016 0.784 N=302	0.061 0.036 N=1188			0.003 0.956 N=302
NITROGEN-NITRITE-P00615-(MG/L AS N)						--na--	0.199 0.443 N=17					N=41		N=26	0.545 0.000 N=41			0.260 0.199 N=26
OXYGEN-DISSOLVED-P00300 (MG/L)		-0.069 0.038 N=910	--na--	-0.300 0.129 N=27		-0.151 0.207 N=72	-0.202 0.000 N=1060		--na--	0.050 0.133 N=911	--na--	0.062 0.030 N=1216		0.072 0.192 N=329	-0.051 0.078 N=1213			-0.014 0.798 N=329
PH WH-FIELD-P00400-(STANDARD UNITS)		0.003 0.916 N=923	--na--	0.281 0.126 N=31		0.180 0.130 N=72	0.156 0.000 N=1077		--na--	0.065 0.048 N=925	--na--	0.003 0.928 N=1230		-0.060 0.276 N=330	-0.044 0.121 N=1227			0.051 0.360 N=330
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)																		
RADIUM 226-DISSOLVED-P09511-(PCI/L)							0.230 0.430 N=14					N=4		N=5	N=4			-0.456 0.441 N=5

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	ARSENIC-SUSPENDED-P01001-(UG/L AS AS)	ARSENIC-TOTAL-P01002-(UG/L AS AS)	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	BARIUM-TOTAL-P01007-(UG/L AS BA)	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	CADMIUM-SUSPENDED-P01026-(UG/L AS CD)	CADMIUM-TOTAL-P01027-(UG/L AS CD)	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)	CHROMIUM-TOTAL-P01034-(UG/L AS CR)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)							0.293 0.383 N=11					N=3		N=4	N=3			-0.140 0.860 N=4
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)																		
RADON 222-TOTAL-P82303-(PCI/L)																		
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)		N=34	--na--	N=33		N=20	N=187		--na--	N=34	--na--	N=61		N=11	N=58			N=11
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)		--na--	--na--	--na--		N=54	N=3		--na--	--na--	--na--	--na--		N=54	--na--			N=54
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)		0.113 0.001 N=922	--na--	-0.044 0.814 N=31		0.380 0.001 N=72	0.590 0.000 N=1077		--na--	0.251 0.000 N=924	--na--	0.443 0.000 N=1229		-0.000 0.996 N=330	0.144 0.000 N=1226			0.078 0.159 N=330
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		0.132 0.000 N=912	--na--	0.471 0.031 N=21		0.449 0.017 N=28	0.340 0.000 N=1067		--na--	0.014 0.679 N=914	--na--	-0.027 0.341 N=1214		-0.029 0.616 N=294	0.029 0.313 N=1211			0.028 0.635 N=294
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)		--na--		--na--			--na--			--na--		--na--			--na--			
THALLIUM-TOTAL-P01059-(UG/L AS TL)																		
TURBIDITY-P00076-(NTU)		-0.006 0.864 N=828		-0.147 0.616 N=14		0.470 0.013 N=27	0.140 0.000 N=983			-0.133 0.000 N=830		0.007 0.825 N=1104		-0.014 0.825 N=267	0.000 0.991 N=1101			0.331 0.000 N=267
URANIUM 235-DISSOLVED-P22620-(PCI/L)																		
URANIUM 238-DISSOLVED-P22603-(PCI/L)																		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)																		
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)		N=5			0.124 0.000 N=891	0.137 0.000 N=912	0.058 0.082 N=901			-0.026 0.770 N=130	0.057 0.085 N=927		0.265 0.166 N=29	--na--		N=31	0.021 0.531 N=927	
ANTIMONY-TOTAL-P01097-(UG/L AS SB)					--na--	--na--	--na--			--na--	--na--		--na--	--na--		--na--	--na--	
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)		N=5			-0.092 0.699 N=20	0.199 0.387 N=21	-0.025 0.950 N=9			0.074 0.724 N=25	0.059 0.746 N=33		0.252 0.225 N=25	--na--		N=27	0.042 0.818 N=33	
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)					0.386 0.042 N=28	0.182 0.354 N=28	0.985 0.111 N=3			0.028 0.818 N=72	0.159 0.493 N=21		0.168 0.159 N=72	--na--		N=72	0.622 0.003 N=21	
BARIUM-DISSOLVED-P01005-(UG/L AS BA)		N=5			0.613 0.000 N=1045	0.584 0.000 N=1067	0.021 0.500 N=1056			0.065 0.447 N=141	0.466 0.000 N=1082		-0.009 0.961 N=31	--na--		N=33	0.221 0.000 N=1082	
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)					--na--	--na--	--na--			--na--	--na--		--na--	--na--		--na--	--na--	
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)		N=5			0.233 0.000 N=893	0.038 0.250 N=914	-0.003 0.929 N=903			0.013 0.879 N=131	0.008 0.806 N=929		-0.352 0.057 N=30	--na--		N=32	0.029 0.373 N=929	
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)					--na--	--na--	--na--			--na--	--na--		--na--	--na--		--na--	--na--	
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)		N=5			0.437 0.000 N=1168	0.024 0.405 N=1215	-0.028 0.329 N=1201			0.009 0.875 N=304	-0.036 0.203 N=1228		0.066 0.728 N=30	--na--		N=32	0.176 0.000 N=1234	
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)					0.009 0.886 N=270	-0.049 0.401 N=294	0.032 0.593 N=275			0.004 0.944 N=331	0.165 0.006 N=275		N=54	--na--		N=55	0.028 0.643 N=279	
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)		N=5			0.144 0.000 N=1165	0.066 0.021 N=1212	-0.021 0.466 N=1198			0.004 0.944 N=304	0.049 0.087 N=1225		0.373 0.043 N=30	--na--		N=32	0.188 0.000 N=1231	

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)																		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)					0.075 0.216 N=270	0.105 0.074 N=294	-0.071 0.239 N=275			0.150 0.006 N=331	0.198 0.001 N=275		-0.292 0.032 N=54	--na--		N=55	0.375 0.000 N=279	
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)																		
CYANIDE-TOTAL-P00720-(MG/L AS CN)					N=4	N=5	N=5				N=5						N=5	
DEPTH BELOW LAND-P72019-(FEET)																		
DEPTH OF WELL-P72008-(FEET)																		
DISSOLVED SOLIDS-P70301-(MG/L)		N=4				0.918 0.000 N=1950	-0.034 0.148 N=1862			0.029 0.626 N=286	0.078 0.001 N=1875		0.683 0.000 N=38	--na--		N=40	0.486 0.000 N=1293	
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)		N=5			0.918 0.000 N=1950		-0.102 0.000 N=1916			0.007 0.899 N=310	0.091 0.000 N=1923		0.485 0.002 N=38	--na--		N=40	0.161 0.000 N=1341	
IRON-DISSOLVED-P01046-(UG/L AS FE)		N=5			-0.034 0.148 N=1862	-0.102 0.000 N=1916					0.435 0.000 N=1929		-0.594 0.160 N=7	--na--		N=9	-0.022 0.416 N=1327	
IRON-FERROUS-P01047-(UG/L)																		
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)					0.029 0.626 N=286	0.007 0.899 N=310					0.381 0.000 N=303		0.360 0.001 N=82	--na--		N=82	0.017 0.769 N=307	
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)		N=5			0.078 0.001 N=1875	0.091 0.000 N=1923	0.435 0.000 N=1929			0.381 0.000 N=303				--na--		N=33	0.288 0.000 N=1354	
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)																		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
MANGANESE-TOTAL-P01055-(UG/L AS MN)					0.683 0.000 N=38	0.485 0.002 N=38	-0.594 0.160 N=7			0.360 0.001 N=82				--na--		N=81	0.557 0.001 N=31	
MERCURY-DISSOLVED-P71890-(UG/L AS HG)					--na--	--na--	--na--			--na--	--na--		--na--				--na--	
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)					N=40	N=40	N=9			N=82	N=33		N=81				N=33	
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		N=5			0.486 0.000 N=1293	0.161 0.000 N=1341	-0.022 0.416 N=1327			0.017 0.769 N=307	0.288 0.000 N=1354		0.557 0.001 N=31	--na--		N=33		
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)					0.435 0.000 N=270	0.125 0.032 N=294	-0.063 0.294 N=275			0.060 0.279 N=331	0.362 0.000 N=275		0.509 0.000 N=54	--na--		N=55		
NITROGEN-NITRATE-P00618-(MG/L AS N)		--na--			0.590 0.000 N=1093	0.490 0.000 N=1128	-0.137 0.000 N=1075			0.016 0.793 N=258	0.266 0.000 N=1094		0.218 0.076 N=67			N=67	0.289 0.000 N=852	
NITROGEN-NITRITE-P00613-(MG/L AS N)		N=5			0.026 0.253 N=1893	0.020 0.384 N=1941	-0.007 0.764 N=1854			0.164 0.003 N=330	0.207 0.000 N=1880		0.263 0.018 N=80	--na--		N=82	0.411 0.000 N=1317	
NITROGEN-NITRITE-P00615-(MG/L AS N)					0.326 0.013 N=57	0.214 0.103 N=59	-0.023 0.868 N=54			0.090 0.661 N=26	0.341 0.012 N=54		--na--			--na--	0.424 0.001 N=54	
OXYGEN-DISSOLVED-P00300-(MG/L)					-0.073 0.001 N=1897	-0.114 0.000 N=1943	-0.189 0.000 N=1872			-0.106 0.046 N=357	-0.164 0.000 N=1899		-0.455 0.000 N=82	--na--		N=84	-0.169 0.000 N=1338	
PH WH-FIELD-P00400-(STANDARD UNITS)		N=4			0.040 0.079 N=1940	0.195 0.000 N=1987	-0.202 0.000 N=1917			-0.037 0.486 N=358	-0.038 0.098 N=1944		0.047 0.678 N=82	--na--		N=84	-0.083 0.002 N=1355	
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)																		
RADIUM 226-DISSOLVED-P09511-(PCI/L)					0.245 0.398 N=14	0.270 0.350 N=14	0.151 0.606 N=14			0.710 0.180 N=5	0.088 0.764 N=14						N=14	

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	CYANIDE-TOTAL-P00720-(MG/L AS CN)	DEPTH BELOW LAND-P72019-(FEET)	DEPTH OF WELL-P72008-(FEET)	DISSOLVED SOLIDS-P70301-(MG/L)	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	IRON-DISSOLVED-P01046-(UG/L AS FE)	IRON-FERROUS-P01047-(UG/L)	IRON-SUSPENDED-P01044-(UG/L AS FE)	IRON-TOTAL-P01045-(UG/L AS FE)	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	MANGANESE-TOTAL-P01055-(UG/L AS MN)	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	MERCURY-SUSPENDED-P71895-(UG/L AS HG)	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	NICKEL-SUSPENDED-P01066-(UG/L AS NI)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)					0.314 0.347 N=11	0.324 0.331 N=11	0.402 0.220 N=11			0.881 0.119 N=4	0.305 0.362 N=11						N=11	
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)																		
RADON 222-TOTAL-P82303-(PCI/L)																		
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)		N=5			N=173	N=175	N=163			N=35	N=187		N=26	--na--		N=28	N=187	
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)					N=22	N=22	N=3			N=54	N=3		N=54	--na--		N=54	N=3	
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)		N=4		--na--	0.999 0.000 N=1944	0.852 0.000 N=1996	-0.052 0.023 N=1925			0.033 0.528 N=358	0.093 0.000 N=1947		0.615 0.000 N=82	--na--		N=84	0.469 0.000 N=1355	
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		N=5			0.979 0.000 N=1950	0.877 0.000 N=2001	-0.041 0.076 N=1915			-0.010 0.867 N=310	0.097 0.000 N=1922		0.553 0.000 N=38	--na--		N=40	0.520 0.000 N=1340	
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)					--na--	--na--	--na--				--na--					--na--	--na--	
THALLIUM-TOTAL-P01059-(UG/L AS TL)																		
TURBIDITY-P00076-(NTU)					0.115 0.000 N=1304	0.094 0.001 N=1342	-0.073 0.010 N=1262			0.822 0.000 N=283	0.120 0.000 N=1276		0.272 0.104 N=37			N=39	0.045 0.111 N=1230	
URANIUM 235-DISSOLVED-P22620-(PCI/L)																		
URANIUM 238-DISSOLVED-P22603-(PCI/L)																		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)																		
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	N=102	0.321 0.000 N=628	0.026 0.431 N=924		-0.069 0.038 N=910	0.003 0.916 N=923									N=34		--na--	0.113 0.001 N=922
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	--na--		--na--		--na--	--na--									--na--		--na--	--na--
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	--na--	0.199 0.375 N=22	0.051 0.780 N=33		-0.300 0.129 N=27	0.281 0.126 N=31									N=33		--na--	-0.044 0.814 N=31
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)																		
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.159 0.251 N=54	0.334 0.008 N=63	-0.096 0.431 N=70	--na--	-0.151 0.207 N=72	0.180 0.130 N=72									N=20		N=54	0.380 0.001 N=72
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.100 0.293 N=113	0.445 0.000 N=697	0.135 0.000 N=1079	0.199 0.443 N=17	-0.202 0.000 N=1060	0.156 0.000 N=1077			0.230 0.430 N=14	0.293 0.383 N=11					N=187		N=3	0.590 0.000 N=1077
BARIUM-SUSPENDED-P01006-(UG/L AS BA)																		
BARIUM-TOTAL-P01007-(UG/L AS BA)	--na--		--na--		--na--	--na--									--na--		--na--	--na--
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.062 0.531 N=103	-0.222 0.000 N=629	0.013 0.683 N=926		0.050 0.133 N=911	0.065 0.048 N=925									N=34		--na--	0.251 0.000 N=924
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	--na--		--na--		--na--	--na--									--na--		--na--	--na--
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0.033 0.581 N=276	-0.005 0.882 N=799	-0.022 0.447 N=1191	N=41	0.062 0.030 N=1216	0.003 0.928 N=1230			N=4	N=3					N=61		--na--	0.443 0.000 N=1229
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)																		
CADMIUM-TOTAL-P01027-(UG/L AS CD)	0.021 0.699 N=331	-0.011 0.670 N=238	0.016 0.764 N=302	N=26	0.072 0.192 N=329	-0.060 0.276 N=330			N=5	N=4					N=11		N=54	-0.000 0.996 N=330
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0.307 0.000 N=276	0.063 0.075 N=799	0.061 0.036 N=1188	0.545 0.000 N=41	-0.051 0.078 N=1213	-0.044 0.121 N=1227			N=4	N=3					N=58		--na--	0.144 0.000 N=1226

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)																		
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)																		
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.373 0.000 N=331	0.102 0.115 N=238	0.003 0.956 N=302	0.260 0.199 N=26	-0.014 0.798 N=329	0.051 0.360 N=330			-0.456 0.441 N=5	-0.140 0.860 N=4					N=11		N=54	0.078 0.159 N=330
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)																		
CYANIDE-TOTAL-P00720-(MG/L AS CN)		--na--	N=5			N=4									N=5			N=4
DEPTH BELOW LAND-P72019-(FEET)																		
DEPTH OF WELL-P72008-(FEET)																		--na--
DISSOLVED SOLIDS-P70301-(MG/L)	0.435 0.000 N=270	0.590 0.000 N=1093	0.026 0.253 N=1893	0.326 0.013 N=57	-0.073 0.001 N=1897	0.040 0.079 N=1940			0.245 0.398 N=14	0.314 0.347 N=11					N=173		N=22	0.999 0.000 N=1944
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.125 0.032 N=294	0.490 0.000 N=1128	0.020 0.384 N=1941	0.214 0.103 N=59	-0.114 0.000 N=1943	0.195 0.000 N=1987			0.270 0.350 N=14	0.324 0.331 N=11					N=175		N=22	0.852 0.000 N=1996
IRON-DISSOLVED-P01046-(UG/L AS FE)	-0.063 0.294 N=275	-0.137 0.000 N=1075	-0.007 0.764 N=1854	-0.023 0.868 N=54	-0.189 0.000 N=1872	-0.202 0.000 N=1917			0.151 0.606 N=14	0.402 0.220 N=11					N=163		N=3	-0.052 0.023 N=1925
IRON-FERROUS-P01047-(UG/L)																		
IRON-SUSPENDED-P01044-(UG/L AS FE)																		
IRON-TOTAL-P01045-(UG/L AS FE)	0.060 0.279 N=331	0.016 0.793 N=258	0.164 0.003 N=330	0.090 0.661 N=26	-0.106 0.046 N=357	-0.037 0.486 N=358			0.710 0.180 N=5	0.881 0.119 N=4					N=35		N=54	0.033 0.528 N=358
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.362 0.000 N=275	0.266 0.000 N=1094	0.207 0.000 N=1880	0.341 0.012 N=54	-0.164 0.000 N=1899	-0.038 0.098 N=1944			0.088 0.764 N=14	0.305 0.362 N=11					N=187		N=3	0.093 0.000 N=1947
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)																		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 226-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	0.509 0.000 N=54	0.218 0.076 N=67	0.263 0.018 N=80	--na--	-0.455 0.000 N=82	0.047 0.678 N=82									N=26		N=54	0.615 0.000 N=82
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	--na--		--na--		--na--	--na--									--na--		--na--	--na--
MERCURY-SUSPENDED-P71895-(UG/L AS HG)																		
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	N=55	N=67	N=82	--na--	N=84	N=84									N=28		N=54	N=84
NICKEL-DISSOLVED-P01065-(UG/L AS NI)		0.289 0.000 N=852	0.411 0.000 N=1317	0.424 0.001 N=54	-0.169 0.000 N=1338	-0.083 0.002 N=1355			N=14	N=11					N=187		N=3	0.469 0.000 N=1355
NICKEL-SUSPENDED-P01066-(UG/L AS NI)																		
NICKEL-TOTAL-P01067-(UG/L AS NI)		0.274 0.000 N=238	0.356 0.000 N=302	0.392 0.048 N=26	-0.223 0.000 N=329	-0.047 0.394 N=330			-0.299 0.625 N=5	N=4					N=11		N=54	0.423 0.000 N=330
NITROGEN-NITRATE-P00618-(MG/L AS N)	0.274 0.000 N=238		0.214 0.000 N=1320	0.221 0.410 N=16	-0.257 0.000 N=1284	0.097 0.000 N=1307			0.009 0.991 N=4	--na--					N=90		N=47	0.137 0.000 N=1314
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.356 0.000 N=302	0.214 0.000 N=1320			-0.183 0.000 N=2134	-0.007 0.727 N=2186			0.270 0.351 N=14	0.964 0.000 N=11					N=187		N=52	0.028 0.195 N=2197
NITROGEN-NITRITE-P00615-(MG/L AS N)	0.392 0.048 N=26	0.221 0.410 N=16			-0.364 0.002 N=73	-0.216 0.068 N=72			--na--	--na--					N=17		--na--	0.508 0.000 N=73
OXYGEN-DISSOLVED-P00300-(MG/L)	-0.223 0.000 N=329	-0.257 0.000 N=1284	-0.183 0.000 N=2134	-0.364 0.002 N=73		0.072 0.001 N=2334			0.171 0.559 N=14	0.541 0.086 N=11					N=177		N=54	-0.071 0.001 N=2376
PH WH-FIELD-P00400-(STANDARD UNITS)	-0.047 0.394 N=330	0.097 0.000 N=1307	-0.007 0.727 N=2186	-0.216 0.068 N=72	0.072 0.001 N=2334				0.314 0.274 N=14	0.363 0.272 N=11					N=184		N=54	0.019 0.349 N=2472
RADIUM 226-BM PE-P04107-(PCI/G)																		
RADIUM 226-DISSOLVED-P09510-(PCI/L)																		
RADIUM 226-DISSOLVED-P09511-(PCI/L)	-0.299 0.625 N=5	0.009 0.991 N=4	0.270 0.351 N=14	--na--	0.171 0.559 N=14	0.314 0.274 N=14									N=14			0.388 0.171 N=14

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	NICKEL-TOTAL-P01067-(UG/L AS NI)	NITROGEN-NITRATE-P00618-(MG/L AS N)	NITROGEN-NITRITE-P00613-(MG/L AS N)	NITROGEN-NITRITE-P00615-(MG/L AS N)	OXYGEN-DISSOLVED-P00300-(MG/L)	PH WH-FIELD-P00400-(STANDARD UNITS)	RADIUM 228-BM PE-P04107-(PCI/G)	RADIUM 226-DISSOLVED-P09510-(PCI/L)	RADIUM 226-DISSOLVED-P09511-(PCI/L)	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	RADIUM 226-TOTAL-P09507-(PCI/L)	RADIUM 228-BM PE-P04106-(PCI/G)	RADON 222-PE-P76002-(PCI/L)	RADON 222-TOTAL-P82303-(PCI/L)	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	SELENIUM-SUSPENDED-P01146-(UG/L AS SE)	SELENIUM-TOTAL-P01147-(UG/L AS SE)	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	N=4	--na--	0.964 0.000 N=11	--na--	0.541 0.086 N=11	0.363 0.272 N=11									N=11			0.424 0.193 N=11
RADIUM 226-TOTAL-P09507-(PCI/L)																		
RADIUM 228-BM PE-P04106-(PCI/G)																		
RADON 222-PE-P76002-(PCI/L)																		
RADON 222-TOTAL-P82303-(PCI/L)																		
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	N=11	N=90	N=187	N=17	N=177	N=184			N=14	N=11								N=185
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)																		
SELENIUM-TOTAL-P01147-(UG/L AS SE)	N=54	N=47	N=52	--na--	N=54	N=54												N=54
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.423 0.000 N=330	0.137 0.000 N=1314	0.028 0.195 N=2197	0.508 0.000 N=73	-0.071 0.001 N=2376	0.019 0.349 N=2472			0.388 0.171 N=14	0.424 0.193 N=11					N=185		N=54	
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0.553 0.000 N=294	0.580 0.000 N=1127	0.076 0.001 N=1941	0.448 0.000 N=58	-0.098 0.000 N=1942	0.043 0.053 N=1986			0.138 0.639 N=14	0.135 0.693 N=11					N=175		N=22	0.898 0.000 N=1995
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)		--na--	--na--		--na--	--na--									--na--			--na--
THALLIUM-TOTAL-P01059-(UG/L AS TL)																		
TURBIDITY-P00076-(NTU)	0.090 0.141 N=267	0.180 0.000 N=860	0.060 0.029 N=1331	0.159 0.213 N=63	-0.001 0.970 N=1370	0.066 0.014 N=1374			0.613 0.020 N=14	0.742 0.009 N=11					N=168		N=21	0.112 0.000 N=1376
URANIUM 235-DISSOLVED-P22620-(PCI/L)																		
URANIUM 238-DISSOLVED-P22603-(PCI/L)																		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
ALKALINITY-D FE-P39036-(MG/L AS CACO3)						
ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0.132 0.000 N=912	--na--		-0.006 0.864 N=828		
ANTIMONY-TOTAL-P01097-(UG/L AS SB)	--na--					
ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0.471 0.031 N=21	--na--		-0.147 0.616 N=14		
ARSENIC-SUSPENDED-P01001-(UG/L AS AS)						
ARSENIC-TOTAL-P01002-(UG/L AS AS)	0.449 0.017 N=28			0.470 0.013 N=27		
BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0.340 0.000 N=1067	--na--		0.140 0.000 N=983		
BARIUM-SUSPENDED-P01006-(UG/L AS BA)						
BARIUM-TOTAL-P01007-(UG/L AS BA)	--na--					
BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0.014 0.679 N=914	--na--		-0.133 0.000 N=830		
BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	--na--					
CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	-0.027 0.341 N=1214	--na--		0.007 0.825 N=1104		
CADMIUM-SUSPENDED-P01026-(UG/L AS CD)						
CADMIUM-TOTAL-P01027-(UG/L AS CD)	-0.029 0.616 N=294			-0.014 0.825 N=267		
CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0.029 0.313 N=1211	--na--		0.000 0.991 N=1101		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)						
CHROMIUM-SUSPENDED-P01031-(UG/L AS CR)						
CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0.028 0.635 N=294			0.331 0.000 N=267		
CYANIDE-DISSOLVED-P00723-(MG/L AS CN)						
CYANIDE-TOTAL-P00720-(MG/L AS CN)	N=5					
DEPTH BELOW LAND-P72019-(FEET)						
DEPTH OF WELL-P72008-(FEET)						
DISSOLVED SOLIDS-P70301-(MG/L)	0.979 0.000 N=1950	--na--		0.115 0.000 N=1304		
HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0.877 0.000 N=2001	--na--		0.094 0.001 N=1342		
IRON-DISSOLVED-P01046-(UG/L AS FE)	-0.041 0.076 N=1915	--na--		-0.073 0.010 N=1262		
IRON-FERROUS-P01047-(UG/L)						
IRON-SUSPENDED-P01044-(UG/L AS FE)						
IRON-TOTAL-P01045-(UG/L AS FE)	-0.010 0.867 N=310			0.822 0.000 N=283		
MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0.097 0.000 N=1922	--na--		0.120 0.000 N=1276		
MANGANESE-SUSPENDED-P01054-(UG/L AS MN)						

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
MANGANESE-TOTAL-P01055-(UG/L AS MN)	0.553 0.000 N=38			0.272 0.104 N=37		
MERCURY-DISSOLVED-P71890-(UG/L AS HG)	--na--					
MERCURY-SUSPENDED-P71895-(UG/L AS HG)						
MERCURY-TOTAL REC-P71900-(UG/L AS HG)	N=40	--na--		N=39		
NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0.520 0.000 N=1340	--na--		0.045 0.111 N=1230		
NICKEL-SUSPENDED-P01066 (UG/L AS NI)						
NICKEL-TOTAL-P01067-(UG/L AS NI)	0.553 0.000 N=294			0.090 0.141 N=267		
NITROGEN-NITRATE-P00618-(MG/L AS N)	0.580 0.000 N=1127	--na--		0.180 0.000 N=860		
NITROGEN-NITRITE-P00613-(MG/L AS N)	0.076 0.001 N=1941	--na--		0.060 0.029 N=1331		
NITROGEN-NITRITE-P00615-(MG/L AS N)	0.448 0.000 N=58			0.159 0.213 N=63		
OXYGEN-DISSOLVED-P00300 (MG/L)	-0.098 0.000 N=1942	--na--		-0.001 0.970 N=1370		
PH WH-FIELD-P00400-(STANDARD UNITS)	0.043 0.053 N=1986	--na--		0.066 0.014 N=1374		
RADIUM 226-BM PE-P04107-(PCI/G)						
RADIUM 226-DISSOLVED-P09510-(PCI/L)						
RADIUM 226-DISSOLVED-P09511-(PCI/L)	0.138 0.639 N=14			0.613 0.020 N=14		

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-overall. Correlation Analysis Results

Surface Water - Region 1

	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	THALLIUM-TOTAL-P01059-(UG/L AS TL)	TURBIDITY-P00076-(NTU)	URANIUM 235-DISSOLVED-P22620-(PCI/L)	URANIUM 238-DISSOLVED-P22603-(PCI/L)
RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0.135 0.693 N=11			0.742 0.009 N=11		
RADIUM 226-TOTAL-P09507-(PCI/L)						
RADIUM 228-BM PE-P04108-(PCI/G)						
RADON 222-PE-P76002-(PCI/L)						
RADON 222-TOTAL-P82303-(PCI/L)						
SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	N=175	--na--		N=168		
SELENIUM-SUSPENDED-P01146-(UG/L AS SE)						
SELENIUM-TOTAL-P01147-(UG/L AS SE)	N=22			N=21		
SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0.898 0.000 N=1995	--na--		0.112 0.000 N=1376		
SULFATE-DISSOLVED-P00945-(MG/L AS SO4)		--na--		0.028 0.300 N=1341		
THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	--na--			--na--		
THALLIUM-TOTAL-P01059-(UG/L AS TL)						
TURBIDITY-P00076-(NTU)	0.028 0.300 N=1341	--na--				
URANIUM 235-DISSOLVED-P22620-(PCI/L)						
URANIUM 238-DISSOLVED-P22603-(PCI/L)						

(1st value=correlation coefficient 2nd value=p-value 3rd value=sample size --na--=insufficient data)

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01002	CONDUCTANCE	P00095	13	0.72207	0.0053	1
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	12	0.87637	0.0002	1
ARSENIC	0	P01002	HARDNESS	P00900	18	0.90911	0.0001	1
ARSENIC	0	P01002	IRON	P01045	18	0.838	0.0001	1
ARSENIC	0	P01000	SULFATE	P00945	88	0.22332	0.0365	1
ARSENIC	2	P01002	CONDUCTANCE	P00095	11	0.66387	0.0259	1
ARSENIC	2	P01002	DISSOLVED-SOLID	P70301	10	0.86436	0.0013	1
ARSENIC	2	P01002	HARDNESS	P00900	16	0.89949	0.0001	1
ARSENIC	2	P01002	IRON	P01045	16	0.81987	0.0001	1
ARSENIC	2	P01002	MANGANESE	P01056	11	-0.69831	0.0168	1
ARSENIC	2	P01002	WELL-DEPTH	P72008	12	-0.60957	0.0354	1
ARSENIC	5	P01002	CONDUCTANCE	P00095	11	0.66387	0.0259	1
ARSENIC	5	P01002	DISSOLVED-SOLID	P70301	10	0.86436	0.0013	1
ARSENIC	5	P01002	HARDNESS	P00900	16	0.89949	0.0001	1
ARSENIC	5	P01002	IRON	P01045	16	0.81987	0.0001	1
ARSENIC	5	P01002	MANGANESE	P01056	11	-0.69831	0.0168	1
ARSENIC	5	P01002	WELL-DEPTH	P72008	12	-0.60957	0.0354	1
ARSENIC	10	P01002	CONDUCTANCE	P00095	11	0.66387	0.0259	1
ARSENIC	10	P01002	DISSOLVED-SOLID	P70301	10	0.86436	0.0013	1
ARSENIC	10	P01002	HARDNESS	P00900	13	0.8735	0.0001	1
ARSENIC	10	P01002	IRON	P01045	13	0.76781	0.0022	1
ARSENIC	10	P01002	MANGANESE	P01056	11	-0.69831	0.0168	1
ARSENIC	20	P01002	CONDUCTANCE	P00095	11	0.66387	0.0259	1
ARSENIC	20	P01002	DISSOLVED-SOLID	P70301	10	0.86436	0.0013	1
ARSENIC	20	P01002	HARDNESS	P00900	13	0.8735	0.0001	1
ARSENIC	20	P01002	IRON	P01045	13	0.76781	0.0022	1
ARSENIC	20	P01002	MANGANESE	P01056	11	-0.69831	0.0168	1
BARIUM	0	P01005	BERYLLIUM	P01010	384	0.5728	0.0001	1
BARIUM	0	P01005	CONDUCTANCE	P00095	375	0.48169	0.0001	1
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	175	0.28061	0.0002	1
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	372	0.41412	0.0001	1
BARIUM	0	P01005	HARDNESS	P00900	384	0.49366	0.0001	1
BARIUM	0	P01005	MANGANESE	P01056	384	0.32303	0.0001	1
BARIUM	0	P01005	NICKEL	P01065	368	-0.50365	0.0001	1
BARIUM	0	P01005	WELL-DEPTH	P72008	338	-0.2685	0.0001	1
BERYLLIUM	0	P01010	CHROMIUM	P01030	368	-0.19719	0.0001	1
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	375	0.2761	0.0001	1
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	175	0.47004	0.0001	1
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	372	0.27056	0.0001	1
BERYLLIUM	0	P01010	HARDNESS	P00900	384	0.38233	0.0001	1
BERYLLIUM	0	P01010	MANGANESE	P01056	384	0.21095	0.0001	1
BERYLLIUM	0	P01010	NICKEL	P01065	368	-0.66881	0.0001	1
BERYLLIUM	0	P01010	WELL-DEPTH	P72008	338	-0.13957	0.0102	1
CADMIUM	0	P01025	IRON	P01046	384	0.31384	0.0001	1
CHROMIUM	0	P01030	CONDUCTANCE	P00095	372	0.60466	0.0001	1
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	172	-0.31249	0.0001	1
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	368	0.78155	0.0001	1
CHROMIUM	0	P01030	HARDNESS	P00900	381	0.51153	0.0001	1
CHROMIUM	0	P01030	NICKEL	P01065	368	0.21995	0.0001	1
DEPTH-BELOW-LAN	0	P72019	CONDUCTANCE	P00095	295	-0.14557	0.0123	1
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	1063	-0.20345	0.0001	1

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	658	0.93285	0.0001	1
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	718	0.84529	0.0001	1
DISSOLVED-SOLID	0	P70301	PH	P00400	710	0.20172	0.0001	1
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	660	-0.09389	0.0158	1
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	5	0.92618	0.0238	1
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	14	0.8437	0.0001	1
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	20	-0.57711	0.0077	1
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	28	0.62746	0.0004	1
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	28	0.38899	0.0408	1
DISSOLVED-SOLID	500	P70301	PH	P00400	28	0.38638	0.0423	1
HARDNESS	0	P00900	CONDUCTANCE	P00095	737	0.90826	0.0001	1
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	539	-0.17813	0.0001	1
HARDNESS	0	P00900	PH	P00400	806	0.13667	0.0001	1
HARDNESS	300	P00900	CONDUCTANCE	P00095	13	0.89044	0.0001	1
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	33	-0.69409	0.0001	1
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	27	0.61785	0.0006	1
HARDNESS	300	P00900	NITRITE	P00613	46	0.86025	0.0001	1
IRON	0	P01046	CONDUCTANCE	P00095	1043	0.26139	0.0001	1
IRON	0	P01046	DISSOLVED-OXYGE	P00300	762	-0.0895	0.0135	1
IRON	0	P01046	DISSOLVED-SOLID	P70301	652	0.36228	0.0001	1
IRON	0	P01045	HARDNESS	P00900	155	0.28041	0.0004	1
IRON	0	P01046	HARDNESS	P00900	732	0.24887	0.0001	1
IRON	0	P01045	MANGANESE	P01055	157	0.4788	0.0001	1
IRON	0	P01046	PH	P00400	1045	0.12785	0.0001	1
IRON	0	P01045	WELL-DEPTH	P72008	144	-0.36345	0.0001	1
IRON	300	P01045	ARSENIC	P01002	14	0.88828	0.0001	1
IRON	300	P01046	BARIUM	P01005	37	0.32855	0.0471	1
IRON	300	P01046	CADMIUM	P01025	37	0.69971	0.0001	1
IRON	300	P01046	CONDUCTANCE	P00095	99	0.22419	0.0257	1
IRON	300	P01046	DISSOLVED-SOLID	P70301	74	0.30704	0.0078	1
IRON	300	P01045	MANGANESE	P01055	62	0.34991	0.0053	1
IRON	300	P01046	MANGANESE	P01056	127	0.2569	0.0036	1
IRON	300	P01046	PH	P00400	99	0.23291	0.0203	1
IRON	300	P01045	WELL-DEPTH	P72008	55	-0.37838	0.0044	1
IRON	2500	P01045	ARSENIC	P01002	12	0.87378	0.0002	1
IRON	2500	P01046	ARSENIC	P01002	9	0.9724	0.0001	1
IRON	2500	P01046	CADMIUM	P01025	19	0.69074	0.0011	1
IRON	2500	P01046	CHROMIUM	P01030	26	0.4854	0.0119	1
IRON	2500	P01046	CONDUCTANCE	P00095	56	0.6707	0.0001	1
IRON	2500	P01046	DISSOLVED-SOLID	P70301	37	0.79679	0.0001	1
IRON	2500	P01046	HARDNESS	P00900	38	0.7126	0.0001	1
IRON	2500	P01046	MANGANESE	P01055	9	-0.73563	0.0239	1
IRON	2500	P01046	MANGANESE	P01056	80	0.2619	0.0189	1
IRON	2500	P01046	PH	P00400	56	0.491	0.0001	1
IRON	2500	P01045	WELL-DEPTH	P72008	33	-0.36336	0.0377	1
MANGANESE	0	P01056	CONDUCTANCE	P00095	980	0.08855	0.0055	1
MANGANESE	0	P01056	DEPTH-BELOW-LAN	P72019	206	-0.18989	0.0063	1
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	31	-0.42594	0.0169	1
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	706	-0.32083	0.0001	1
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	652	0.11911	0.0023	1
MANGANESE	0	P01055	HARDNESS	P00900	155	0.24098	0.0025	1

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01055	WELL-DEPTH	P72008	144	-0.27206	0.001	1
MANGANESE	0	P01056	WELL-DEPTH	P72008	1236	-0.09538	0.0008	1
MANGANESE	50	P01056	BARIUM	P01005	126	0.41222	0.0001	1
MANGANESE	50	P01056	BERYLLIUM	P01010	126	0.41055	0.0001	1
MANGANESE	50	P01056	CHROMIUM	P01030	130	-0.17911	0.0415	1
MANGANESE	50	P01056	CONDUCTANCE	P00095	451	0.11542	0.0142	1
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	27	-0.39597	0.0409	1
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	347	-0.19412	0.0003	1
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	216	0.17914	0.0083	1
MANGANESE	50	P01055	HARDNESS	P00900	70	0.26938	0.0241	1
MANGANESE	50	P01055	IRON	P01045	70	0.3739	0.0014	1
MANGANESE	50	P01056	NICKEL	P01065	119	-0.23829	0.0091	1
MANGANESE	50	P01056	SULFATE	P00945	445	0.10382	0.0285	1
MANGANESE	50	P01055	WELL-DEPTH	P72008	63	-0.29805	0.0177	1
MANGANESE	50	P01056	WELL-DEPTH	P72008	656	-0.13387	0.0006	1
NICKEL	0	P01065	CONDUCTANCE	P00095	359	-0.18602	0.0004	1
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	167	-0.46701	0.0001	1
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	356	-0.17307	0.001	1
NICKEL	0	P01065	HARDNESS	P00900	368	-0.39208	0.0001	1
NICKEL	0	P01065	PH	P00400	361	-0.15644	0.0029	1
NICKEL	0	P01065	WELL-DEPTH	P72008	326	0.14137	0.0106	1
NITRATE	0	P00618	BARIUM	P01005	27	0.60446	0.0008	1
NITRATE	0	P00618	BERYLLIUM	P01010	27	0.46559	0.0144	1
NITRATE	0	P00618	DEPTH-BELOW-LAN	P72019	20	0.79575	0.0001	1
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	104	-0.4039	0.0001	1
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	110	0.36569	0.0001	1
NITRATE	0	P00618	HARDNESS	P00900	128	0.66275	0.0001	1
NITRATE	0	P00618	PH	P00400	147	-0.32801	0.0001	1
NITRATE	0	P00618	TURBIDITY	P00076	27	-0.4335	0.0239	1
NITRATE	8	P00618	CONDUCTANCE	P00095	23	0.95498	0.0001	1
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	45	-0.37334	0.0115	1
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	30	0.462	0.0102	1
NITRATE	8	P00618	HARDNESS	P00900	48	0.68402	0.0001	1
NITRATE	8	P00618	PH	P00400	65	-0.24938	0.0451	1
NITRATE	8	P00618	SULFATE	P00945	54	-0.31753	0.0193	1
NITRATE	10	P00618	CONDUCTANCE	P00095	21	0.95575	0.0001	1
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	42	-0.48004	0.0013	1
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	27	0.43839	0.0222	1
NITRATE	10	P00618	HARDNESS	P00900	44	0.72936	0.0001	1
NITRATE	10	P00618	SULFATE	P00945	50	-0.34441	0.0143	1
NITRITE	0	P00613	CONDUCTANCE	P00095	679	0.17084	0.0001	1
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	484	-0.17766	0.0001	1
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	672	0.11916	0.002	1
NITRITE	0	P00613	HARDNESS	P00900	715	0.16722	0.0001	1
NITRITE	0	P00613	PH	P00400	760	0.32017	0.0001	1
PH	0	P00400	CONDUCTANCE	P00095	2308	0.15873	0.0001	1
PH	0	P00400	DISSOLVED-OXYGE	P00300	1115	-0.23248	0.0001	1
PH	0	P00400	TURBIDITY	P00076	294	0.24999	0.0001	1
RADON	1000	P82303	SULFATE	P00945	24	-0.46717	0.0214	1
RADON	3000	P82303	DISSOLVED-OXYGE	P00300	13	0.59447	0.0321	1
RADON	3000	P82303	SULFATE	P00945	13	-0.57833	0.0384	1

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	BARIUM	P01005	384	0.104	0.0417	[illegible]
SULFATE	0	P00945	CONDUCTANCE	P00095	749	0.2257	0.0001	1
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	549	-0.08438	0.0481	1
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	718	0.15093	0.0001	1
SULFATE	0	P00945	HARDNESS	P00900	815	0.09794	0.0051	1
SULFATE	0	P00945	MANGANESE	P01056	983	0.10668	0.0008	1
SULFATE	0	P00945	NITRATE	P00618	137	-0.30059	0.0004	1
SULFATE	0	P00945	PH	P00400	818	0.20314	0.0001	1
SULFATE	0	P00945	WELL-DEPTH	P72008	1076	-0.06963	0.0224	1
SULFATE	25	P00945	PH	P00400	60	0.39803	0.0016	1
SULFATE	120	P00945	CONDUCTANCE	P00095	4	0.99722	0.0028	1
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	4	0.99883	0.0012	1
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	2342	-0.14629	0.0001	1
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	1100	-0.16786	0.0001	1
WELL-DEPTH	0	P72008	PH	P00400	2303	0.18388	0.0001	1
ANTIMONY	0	P01095	BARIUM	P01005	154	0.49818	0.0001	2
ANTIMONY	0	P01095	BERYLLIUM	P01010	154	1	0.0001	2
ANTIMONY	0	P01095	CADMIUM	P01025	154	0.79859	0.0001	2
ANTIMONY	0	P01095	CHROMIUM	P01030	154	0.36357	0.0001	2
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	57	0.95411	0.0001	2
ANTIMONY	0	P01095	HARDNESS	P00900	111	0.31394	0.0008	2
ANTIMONY	0	P01095	PH	P00400	147	0.23739	0.0038	2
ARSENIC	0	P01000	CADMIUM	P01025	263	0.21198	0.0005	2
ARSENIC	0	P01000	CONDUCTANCE	P00095	254	0.17441	0.0053	2
ARSENIC	0	P01000	HARDNESS	P00900	221	0.15066	0.0251	2
ARSENIC	0	P01000	MANGANESE	P01056	264	0.18386	0.0027	2
ARSENIC	0	P01000	NICKEL	P01065	154	0.30006	0.0002	2
ARSENIC	0	P01002	NITRITE	P00613	149	0.80378	0.0001	2
ARSENIC	0	P01000	PH	P00400	256	0.19508	0.0017	2
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	14	0.78679	0.0008	2
ARSENIC	2	P01002	MANGANESE	P01055	8	0.75207	0.0314	2
ARSENIC	2	P01002	NITRITE	P00613	8	0.90333	0.0021	2
ARSENIC	5	P01002	NITRITE	P00613	3	1	0.0001	2
BARIUM	0	P01005	BERYLLIUM	P01010	197	0.38804	0.0001	2
BARIUM	0	P01005	CADMIUM	P01025	306	0.24582	0.0001	2
BARIUM	0	P01007	CHROMIUM	P01034	184	0.86395	0.0001	2
BARIUM	0	P01005	CONDUCTANCE	P00095	307	0.95501	0.0001	2
BARIUM	0	P01005	DEPTH-BELOW-LAN	P72019	52	0.50999	0.0001	2
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	260	0.13	0.0362	2
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	207	0.46917	0.0001	2
BARIUM	0	P01005	HARDNESS	P00900	291	0.72213	0.0001	2
BARIUM	0	P01005	IRON	P01046	294	0.57454	0.0001	2
BARIUM	0	P01007	IRON	P01045	184	0.76108	0.0001	2
BARIUM	0	P01005	MANGANESE	P01056	334	0.11762	0.0316	2
BARIUM	0	P01007	MANGANESE	P01055	184	0.45561	0.0001	2
BARIUM	0	P01005	MERCURY	P71890	216	0.18581	0.0062	2
BARIUM	0	P01005	MERCURY	P71900	7	0.9309	0.0023	2
BARIUM	0	P01005	NICKEL	P01065	197	0.14716	0.0391	2
BARIUM	0	P01005	NITRITE	P00613	268	0.15479	0.0112	2
BARIUM	0	P01005	WELL-DEPTH	P72008	333	0.38347	0.0001	2
BERYLLIUM	0	P01010	CADMIUM	P01025	197	0.60941	0.0001	2

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	76	0.7678	0.0001	2
BERYLLIUM	0	P01010	NITRITE	P00613	148	0.26938	0.0009	2
CADMIUM	0	P01025	CHROMIUM	P01030	389	0.39744	0.0001	2
CADMIUM	0	P01025	CHROMIUM	P01034	8	0.89803	0.0025	2
CADMIUM	0	P01027	CHROMIUM	P01030	8	0.89803	0.0025	2
CADMIUM	0	P01027	CHROMIUM	P01034	271	0.15219	0.0121	2
CADMIUM	0	P01025	CONDUCTANCE	P00095	357	0.17003	0.0013	2
CADMIUM	0	P01027	DEPTH-BELOW-LAN	P72019	20	-0.55244	0.0115	2
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	197	0.59637	0.0001	2
CADMIUM	0	P01025	HARDNESS	P00900	345	0.24168	0.0001	2
CADMIUM	0	P01027	HARDNESS	P00900	9	0.86786	0.0024	2
CADMIUM	0	P01027	IRON	P01045	269	0.36243	0.0001	2
CADMIUM	0	P01027	IRON	P01046	6	0.91375	0.0108	2
CADMIUM	0	P01027	MANGANESE	P01055	271	0.4329	0.0001	2
CADMIUM	0	P01027	MANGANESE	P01056	6	0.85801	0.0288	2
CADMIUM	0	P01027	MERCURY	P71900	251	-0.23173	0.0002	2
CADMIUM	0	P01025	NICKEL	P01065	197	0.72409	0.0001	2
CADMIUM	0	P01025	NITRITE	P00613	313	0.5813	0.0001	2
CADMIUM	0	P01025	NITRITE	P00615	6	1	0.0001	2
CADMIUM	0	P01027	NITRITE	P00613	253	-0.16245	0.0096	2
CADMIUM	0	P01027	WELL-DEPTH	P72008	243	0.15423	0.0161	2
CADMIUM	5	P01027	CHROMIUM	P01034	246	0.14609	0.0219	2
CADMIUM	5	P01027	DEPTH-BELOW-LAN	P72019	19	-0.53678	0.0178	2
CADMIUM	5	P01027	IRON	P01045	246	0.35779	0.0001	2
CADMIUM	5	P01027	MANGANESE	P01055	246	0.44186	0.0001	2
CADMIUM	5	P01027	MERCURY	P71900	244	-0.23949	0.0002	2
CADMIUM	5	P01027	NITRATE	P00618	47	-0.34596	0.0172	2
CADMIUM	5	P01027	NITRITE	P00613	243	-0.15341	0.0167	2
CADMIUM	5	P01027	SULFATE	P00945	245	0.49097	0.0001	2
CADMIUM	5	P01027	WELL-DEPTH	P72008	217	0.14006	0.0393	2
CHROMIUM	0	P01030	CONDUCTANCE	P00095	357	0.30584	0.0001	2
CHROMIUM	0	P01034	CONDUCTANCE	P00095	5	0.99231	0.0008	2
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	197	0.32416	0.0001	2
CHROMIUM	0	P01030	HARDNESS	P00900	345	0.38775	0.0001	2
CHROMIUM	0	P01034	HARDNESS	P00900	8	0.87438	0.0045	2
CHROMIUM	0	P01034	IRON	P01045	269	0.76109	0.0001	2
CHROMIUM	0	P01034	MANGANESE	P01055	271	0.41135	0.0001	2
CHROMIUM	0	P01030	NICKEL	P01065	197	0.76445	0.0001	2
CHROMIUM	0	P01030	NITRITE	P00613	313	0.30028	0.0001	2
CHROMIUM	0	P01030	NITRITE	P00615	6	-0.96476	0.0018	2
CHROMIUM	0	P01030	PH	P00400	364	0.1091	0.0375	2
CHROMIUM	0	P01034	SELENIUM	P01147	152	0.34942	0.0001	2
CHROMIUM	100	P01034	BARIUM	P01007	5	0.92114	0.0263	2
CHROMIUM	100	P01034	CADMIUM	P01027	5	0.9483	0.014	2
CHROMIUM	100	P01034	MANGANESE	P01055	5	0.94826	0.014	2
DEPTH-BELOW-LAN	0	P72019	PH	P00400	359	0.11608	0.0279	2
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	209	-0.46617	0.0001	2
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	736	0.87934	0.0001	2
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	648	-0.19567	0.0001	2
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	850	0.91378	0.0001	2
DISSOLVED-SOLID	0	P70301	PH	P00400	656	0.28226	0.0001	2

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	699	-0.07444	0.0491	[illegible]
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	9	0.99504	0.0001	2
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	22	0.81234	0.0001	2
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	15	0.90609	0.0001	2
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	18	0.81256	0.0001	2
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	18	0.50194	0.0338	2
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	222	0.86213	0.0001	2
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	232	0.9028	0.0001	2
DISSOLVED-SOLID	500	P70301	IRON	P01045	85	0.30683	0.0043	2
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	9	0.9086	0.0007	2
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	9	-0.73536	0.024	2
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	241	0.39898	0.0001	2
HARDNESS	0	P00900	CONDUCTANCE	P00095	903	0.86764	0.0001	2
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	741	-0.23571	0.0001	2
HARDNESS	0	P00900	PH	P00400	822	0.4247	0.0001	2
HARDNESS	0	P00900	TURBIDITY	P00076	239	0.14593	0.0241	2
HARDNESS	0	P00900	WELL-DEPTH	P72008	904	-0.06824	0.0402	2
HARDNESS	300	P00900	ARSENIC	P01000	17	0.92039	0.0001	2
HARDNESS	300	P00900	BARIUM	P01005	32	0.87367	0.0001	2
HARDNESS	300	P00900	CADMIUM	P01025	31	0.62507	0.0002	2
HARDNESS	300	P00900	CHROMIUM	P01030	31	0.47243	0.0073	2
HARDNESS	300	P00900	CONDUCTANCE	P00095	256	0.85319	0.0001	2
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	161	-0.26095	0.0008	2
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	257	0.91029	0.0001	2
HARDNESS	300	P00900	IRON	P01045	88	0.38802	0.0002	2
HARDNESS	300	P00900	IRON	P01046	112	0.54161	0.0001	[illegible]
HARDNESS	300	P00900	MANGANESE	P01055	8	0.90386	0.0021	2
HARDNESS	300	P00900	NICKEL	P01065	23	0.71467	0.0001	2
HARDNESS	300	P00900	SULFATE	P00945	282	0.48737	0.0001	2
IRON	0	P01045	CONDUCTANCE	P00095	133	0.38755	0.0001	2
IRON	0	P01046	CONDUCTANCE	P00095	634	0.3944	0.0001	2
IRON	0	P01045	DISSOLVED-OXYGE	P00300	210	-0.4165	0.0001	2
IRON	0	P01046	DISSOLVED-OXYGE	P00300	625	-0.22651	0.0001	2
IRON	0	P01045	DISSOLVED-SOLID	P70301	183	0.43427	0.0001	2
IRON	0	P01045	HARDNESS	P00900	197	0.54003	0.0001	2
IRON	0	P01046	HARDNESS	P00900	801	0.13833	0.0001	2
IRON	0	P01045	MANGANESE	P01055	370	0.55944	0.0001	2
IRON	0	P01045	MANGANESE	P01056	97	0.20239	0.0468	2
IRON	0	P01046	MANGANESE	P01056	778	0.19334	0.0001	2
IRON	0	P01045	TURBIDITY	P00076	111	0.75392	0.0001	2
IRON	0	P01046	WELL-DEPTH	P72008	756	0.20708	0.0001	2
IRON	300	P01045	BARIUM	P01007	131	0.76828	0.0001	2
IRON	300	P01046	BARIUM	P01005	52	0.58339	0.0001	2
IRON	300	P01045	CADMIUM	P01027	184	0.36352	0.0001	2
IRON	300	P01045	CHROMIUM	P01034	184	0.76929	0.0001	2
IRON	300	P01045	CONDUCTANCE	P00095	108	0.34475	0.0003	2
IRON	300	P01046	CONDUCTANCE	P00095	121	0.48813	0.0001	2
IRON	300	P01045	DISSOLVED-OXYGE	P00300	159	-0.45156	0.0001	2
IRON	300	P01046	DISSOLVED-OXYGE	P00300	131	-0.20545	0.0186	2
IRON	300	P01045	DISSOLVED-SOLID	P70301	144	0.41432	0.0001	2
IRON	300	P01045	HARDNESS	P00900	151	0.51381	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01046	HARDNESS	P00900	170	0.37573	0.0001	2
IRON	300	P01045	MANGANESE	P01055	258	0.57327	0.0001	2
IRON	300	P01046	MANGANESE	P01056	169	0.16589	0.0311	2
IRON	300	P01045	SULFATE	P00945	334	0.15114	0.0056	2
IRON	300	P01045	TURBIDITY	P00076	94	0.71425	0.0001	2
IRON	2500	P01045	BARIUM	P01007	89	0.77139	0.0001	2
IRON	2500	P01046	BARIUM	P01005	16	0.62334	0.0099	2
IRON	2500	P01045	CADMIUM	P01027	111	0.34741	0.0002	2
IRON	2500	P01045	CHROMIUM	P01034	111	0.7711	0.0001	2
IRON	2500	P01045	CONDUCTANCE	P00095	78	0.3151	0.005	2
IRON	2500	P01046	CONDUCTANCE	P00095	42	0.57932	0.0001	2
IRON	2500	P01046	DEPTH-BELOW-LAN	P72019	20	0.69746	0.0006	2
IRON	2500	P01045	DISSOLVED-OXYGE	P00300	97	-0.45971	0.0001	2
IRON	2500	P01045	DISSOLVED-SOLID	P70301	88	0.42521	0.0001	2
IRON	2500	P01045	HARDNESS	P00900	91	0.49116	0.0001	2
IRON	2500	P01046	HARDNESS	P00900	53	0.57141	0.0001	2
IRON	2500	P01045	MANGANESE	P01055	144	0.56372	0.0001	2
IRON	2500	P01045	TURBIDITY	P00076	72	0.62195	0.0001	2
MANGANESE	0	P01055	CONDUCTANCE	P00095	35	0.90224	0.0001	2
MANGANESE	0	P01056	CONDUCTANCE	P00095	668	0.14658	0.0001	2
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	116	-0.30531	0.0009	2
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	638	-0.2078	0.0001	2
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	100	0.86582	0.0001	2
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	637	0.14323	0.0003	2
MANGANESE	0	P01055	HARDNESS	P00900	108	0.91239	0.0001	2
MANGANESE	0	P01056	HARDNESS	P00900	775	0.13356	0.0002	2
MANGANESE	0	P01056	NICKEL	P01065	197	0.15265	0.0322	2
MANGANESE	0	P01056	PH	P00400	750	0.09563	0.0088	2
MANGANESE	0	P01056	WELL-DEPTH	P72008	772	-0.09624	0.0075	2
MANGANESE	50	P01055	BARIUM	P01007	134	0.46234	0.0001	2
MANGANESE	50	P01055	CADMIUM	P01027	191	0.41998	0.0001	2
MANGANESE	50	P01055	CHROMIUM	P01034	191	0.40589	0.0001	2
MANGANESE	50	P01055	CONDUCTANCE	P00095	21	0.90424	0.0001	2
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	60	-0.26836	0.0382	2
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	193	-0.21899	0.0022	2
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	51	0.87421	0.0001	2
MANGANESE	50	P01055	HARDNESS	P00900	53	0.91508	0.0001	2
MANGANESE	50	P01055	IRON	P01045	241	0.54644	0.0001	2
MANGANESE	50	P01056	PH	P00400	226	0.16702	0.0119	2
MANGANESE	50	P01056	RADON	P76002	47	0.4469	0.0016	2
MANGANESE	50	P01056	RADON	P82303	47	0.61148	0.0001	2
MANGANESE	50	P01055	SULFATE	P00945	233	0.5892	0.0001	2
MANGANESE	50	P01056	WELL-DEPTH	P72008	256	-0.1296	0.0383	2
MERCURY	0	P71890	DEPTH-BELOW-LAN	P72019	24	0.62913	0.001	2
MERCURY	0	P71900	NITRITE	P00613	253	0.21561	0.0006	2
MERCURY	0	P71900	PH	P00400	154	-0.2218	0.0057	2
MERCURY	0	P71900	WELL-DEPTH	P72008	229	0.13874	0.0359	2
MERCURY	2	P71900	NITRITE	P00613	9	-0.79556	0.0103	2
NICKEL	0	P01065	CONDUCTANCE	P00095	171	0.29613	0.0001	2
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	151	-0.22751	0.005	2
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	76	0.27027	0.0182	2

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	0	P01065	HARDNESS	P00900	153	0.35871	0.0001	[illegible]
NICKEL	0	P01065	NITRITE	P00613	148	0.60036	0.0001	2
NITRATE	0	P00618	CADMIUM	P01027	51	-0.28966	0.0392	2
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	139	0.2078	0.0141	2
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	127	0.24943	0.0047	2
NITRATE	0	P00618	IRON	P01046	163	-0.16805	0.032	2
NITRATE	0	P00618	PH	P00400	218	-0.17188	0.011	2
NITRATE	0	P00618	SELENIUM	P01147	47	0.30344	0.0381	2
NITRATE	0	P00618	WELL-DEPTH	P72008	216	-0.32256	0.0001	2
NITRATE	8	P00618	MANGANESE	P01056	20	0.533	0.0155	2
NITRATE	8	P00618	NITRITE	P00613	33	0.39778	0.0219	2
NITRATE	8	P00618	PH	P00400	31	-0.40282	0.0247	2
NITRATE	10	P00618	NICKEL	P01065	5	0.9973	0.0002	2
NITRATE	10	P00618	PH	P00400	21	-0.46711	0.0328	2
NITRATE	10	P00618	WELL-DEPTH	P72008	20	-0.4459	0.0488	2
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	595	0.08275	0.0436	2
NITRITE	0	P00615	WELL-DEPTH	P72008	22	-0.59086	0.0038	2
PH	0	P00400	CONDUCTANCE	P00095	1047	0.15917	0.0001	2
PH	0	P00400	DISSOLVED-OXYGE	P00300	898	-0.08152	0.0145	2
RADIUM-226	0	P09511	BARIUM	P01005	62	0.54544	0.0001	2
RADIUM-226	0	P76001	BARIUM	P01005	62	0.54591	0.0001	2
RADIUM-226	0	P09511	CONDUCTANCE	P00095	63	0.29168	0.0204	2
RADIUM-226	0	P76001	CONDUCTANCE	P00095	63	0.28908	0.0216	2
RADIUM-226	0	P09511	MERCURY	P71890	50	0.55666	0.0001	2
RADIUM-226	0	P76001	MERCURY	P71890	50	0.5348	0.0001	2
RADIUM-226	4	P09511	CONDUCTANCE	P00095	9	0.7611	0.0172	[illegible]
RADIUM-226	4	P09511	DISSOLVED-OXYGE	P00300	9	-0.76254	0.0169	2
RADIUM-226	4	P09511	MERCURY	P71890	5	0.9462	0.0149	2
RADIUM-226	4	P09511	NICKEL	P01065	9	0.71334	0.031	2
RADON	0	P82303	BARIUM	P01005	95	-0.20167	0.05	2
RADON	300	P82303	BARIUM	P01005	41	-0.39454	0.0107	2
RADON	500	P82303	BARIUM	P01005	20	-0.49586	0.0262	2
RADON	3000	P82303	MANGANESE	P01056	6	0.85594	0.0296	2
RADON	3000	P82303	SULFATE	P00945	6	0.95225	0.0034	2
SELENIUM	0	P01147	CONDUCTANCE	P00095	5	0.99231	0.0008	2
SELENIUM	0	P01147	WELL-DEPTH	P72008	130	-0.27862	0.0013	2
SULFATE	0	P00945	CADMIUM	P01025	325	0.31175	0.0001	2
SULFATE	0	P00945	CADMIUM	P01027	257	0.47018	0.0001	2
SULFATE	0	P00945	CHROMIUM	P01030	325	0.35167	0.0001	2
SULFATE	0	P00945	CONDUCTANCE	P00095	916	0.518	0.0001	2
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	773	-0.15642	0.0001	2
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	860	0.47755	0.0001	2
SULFATE	0	P00945	HARDNESS	P00900	1054	0.56027	0.0001	2
SULFATE	0	P00945	IRON	P01045	452	0.13518	0.004	2
SULFATE	0	P00945	MANGANESE	P01055	357	0.60041	0.0001	2
SULFATE	0	P00945	NICKEL	P01065	133	0.42009	0.0001	2
SULFATE	0	P00945	PH	P00400	967	0.09437	0.0033	2
SULFATE	25	P00945	CADMIUM	P01025	96	0.39206	0.0001	2
SULFATE	25	P00945	CADMIUM	P01027	157	0.4621	0.0001	2
SULFATE	25	P00945	CHROMIUM	P01030	96	0.50647	0.0001	2
SULFATE	25	P00945	CONDUCTANCE	P00095	368	0.56552	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	284	-0.24908	0.0001	2
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	366	0.46184	0.0001	2
SULFATE	25	P00945	HARDNESS	P00900	401	0.55524	0.0001	2
SULFATE	25	P00945	MANGANESE	P01055	167	0.57861	0.0001	2
SULFATE	25	P00945	NICKEL	P01065	47	0.48323	0.0006	2
SULFATE	25	P00945	NITRATE	P00618	91	-0.25251	0.0157	2
SULFATE	25	P00945	NITRITE	P00615	3	0.99981	0.0123	2
SULFATE	25	P00945	WELL-DEPTH	P72008	386	0.27803	0.0001	2
SULFATE	120	P00945	ARSENIC	P01000	11	0.90399	0.0001	2
SULFATE	120	P00945	CADMIUM	P01025	14	0.69485	0.0058	2
SULFATE	120	P00945	CADMIUM	P01027	42	0.34817	0.0239	2
SULFATE	120	P00945	CHROMIUM	P01030	14	0.69407	0.0059	2
SULFATE	120	P00945	CONDUCTANCE	P00095	42	0.34148	0.0269	2
SULFATE	120	P00945	HARDNESS	P00900	53	0.33064	0.0156	2
SULFATE	120	P00945	MANGANESE	P01055	43	0.57067	0.0001	2
SULFATE	120	P00945	MANGANESE	P01056	43	-0.37237	0.0139	2
SULFATE	120	P00945	NICKEL	P01065	10	0.90147	0.0004	2
SULFATE	120	P00945	NITRATE	P00618	16	-0.58656	0.0169	2
SULFATE	120	P00945	WELL-DEPTH	P72008	92	0.50402	0.0001	2
SULFATE	150	P00945	CADMIUM	P01025	7	0.80717	0.0282	2
SULFATE	150	P00945	CHROMIUM	P01030	7	0.93786	0.0018	2
SULFATE	150	P00945	MANGANESE	P01055	34	0.45513	0.0068	2
SULFATE	150	P00945	MANGANESE	P01056	30	-0.40649	0.0258	2
SULFATE	150	P00945	NICKEL	P01065	6	0.89771	0.0152	2
SULFATE	150	P00945	TURBIDITY	P00076	12	-0.63867	0.0254	2
SULFATE	150	P00945	WELL-DEPTH	P72008	70	0.43794	0.0001	2
SULFATE	250	P00945	CHROMIUM	P01030	5	0.90225	0.0361	2
SULFATE	250	P00945	NICKEL	P01065	5	0.887	0.0448	2
SULFATE	250	P00945	SELENIUM	P01147	19	-0.45833	0.0484	2
SULFATE	250	P00945	TURBIDITY	P00076	10	-0.65274	0.0408	2
SULFATE	250	P00945	WELL-DEPTH	P72008	57	0.40264	0.0019	2
SULFATE	500	P00945	CONDUCTANCE	P00095	14	-0.56576	0.035	2
SULFATE	500	P00945	DISSOLVED-OXYGE	P00300	16	0.92044	0.0001	2
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	20	-0.44893	0.0471	2
SULFATE	500	P00945	HARDNESS	P00900	22	-0.47639	0.025	2
SULFATE	500	P00945	MANGANESE	P01056	13	0.61041	0.0267	2
SULFATE	500	P00945	TURBIDITY	P00076	10	-0.65274	0.0408	2
SULFATE	500	P00945	WELL-DEPTH	P72008	42	0.42574	0.0049	2
TURBIDITY	0	P00076	CONDUCTANCE	P00095	284	0.13856	0.0195	2
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	1066	0.06685	0.0291	2
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	549	0.20144	0.0001	2
WELL-DEPTH	0	P72008	PH	P00400	1245	0.27693	0.0001	2
WELL-DEPTH	0	P72008	TURBIDITY	P00076	250	-0.21104	0.0008	2
ANTIMONY	0	P01095	CADMIUM	P01025	290	0.93427	0.0001	3
ANTIMONY	0	P01095	CHROMIUM	P01030	290	0.14628	0.0126	3
ANTIMONY	0	P01095	CONDUCTANCE	P00095	288	0.30898	0.0001	3
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	281	0.31693	0.0001	3
ANTIMONY	0	P01095	HARDNESS	P00900	289	0.2628	0.0001	3
ANTIMONY	0	P01095	IRON	P01046	290	0.32775	0.0001	3
ANTIMONY	0	P01095	MANGANESE	P01056	290	0.241	0.0001	3
ARSENIC	0	P01002	BERYLLIUM	P01012	22	-0.49281	0.0198	3

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01000	CADMIUM	P01025	383	0.18272	0.0003	3
ARSENIC	0	P01002	CADMIUM	P01027	29	-0.95018	0.0001	3
ARSENIC	0	P01000	CHROMIUM	P01030	383	0.19685	0.0001	3
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	16	0.61417	0.0114	3
ARSENIC	0	P01002	HARDNESS	P00900	41	0.43734	0.0042	3
ARSENIC	0	P01000	MANGANESE	P01055	150	0.84933	0.0001	3
ARSENIC	0	P01002	MANGANESE	P01056	41	0.65675	0.0001	3
ARSENIC	0	P01000	NICKEL	P01065	380	0.12909	0.0118	3
ARSENIC	0	P01000	SELENIUM	P01145	296	0.56711	0.0001	3
ARSENIC	0	P01002	WELL-DEPTH	P72008	22	0.44607	0.0375	3
ARSENIC	2	P01002	CADMIUM	P01027	29	-0.95018	0.0001	3
ARSENIC	2	P01002	IRON	P01046	28	0.55224	0.0023	3
ARSENIC	2	P01000	NITRITE	P00613	23	0.95334	0.0001	3
ARSENIC	2	P01000	RADON	P76002	22	0.52625	0.0119	3
ARSENIC	2	P01000	RADON	P82303	22	0.56431	0.0062	3
ARSENIC	5	P01002	BARIUM	P01007	3	0.99891	0.0298	3
ARSENIC	5	P01000	BERYLLIUM	P01010	6	-0.98827	0.0002	3
ARSENIC	5	P01002	CADMIUM	P01027	4	-0.96225	0.0377	3
ARSENIC	5	P01000	NITRITE	P00613	11	0.98356	0.0001	3
ARSENIC	5	P01000	RADON	P76002	10	0.70587	0.0225	3
ARSENIC	5	P01000	RADON	P82303	10	0.67756	0.0313	3
ARSENIC	10	P01000	BERYLLIUM	P01010	3	-0.99887	0.0303	3
ARSENIC	10	P01000	NICKEL	P01065	3	0.99887	0.0303	3
ARSENIC	10	P01000	NITRITE	P00613	5	0.99643	0.0003	3
ARSENIC	10	P01000	RADON	P76002	5	0.88406	0.0466	3
BARIUM	0	P01005	BERYLLIUM	P01010	521	-0.11044	0.0117	3
BARIUM	0	P01005	CADMIUM	P01025	678	-0.07948	0.0386	3
BARIUM	0	P01005	CHROMIUM	P01030	680	-0.23254	0.0001	3
BARIUM	0	P01005	CONDUCTANCE	P00095	651	-0.1068	0.0064	3
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	552	-0.17347	0.0001	3
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	496	0.09568	0.0331	3
BARIUM	0	P01005	HARDNESS	P00900	679	-0.15263	0.0001	3
BARIUM	0	P01005	IRON	P01046	681	-0.09004	0.0188	3
BARIUM	0	P01005	MANGANESE	P01055	163	-0.1588	0.0429	3
BARIUM	0	P01005	MANGANESE	P01056	680	-0.10323	0.0071	3
BARIUM	0	P01005	NICKEL	P01065	680	-0.08574	0.0254	3
BARIUM	0	P01005	PH	P00400	542	0.20342	0.0001	3
BARIUM	0	P01007	PH	P00400	30	0.38534	0.0355	3
BARIUM	0	P01005	SELENIUM	P01145	295	-0.14768	0.0111	3
BARIUM	0	P01005	WELL-DEPTH	P72008	456	-0.09303	0.0471	3
BERYLLIUM	0	P01010	CHROMIUM	P01030	522	-0.36948	0.0001	3
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	517	-0.10109	0.0215	3
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	56	-0.27723	0.0386	3
BERYLLIUM	0	P01010	DEPTH-BELOW-LAN	P72019	138	0.25956	0.0021	3
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	504	0.21955	0.0001	3
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	489	-0.11357	0.012	3
BERYLLIUM	0	P01010	HARDNESS	P00900	519	-0.11883	0.0067	3
BERYLLIUM	0	P01012	IRON	P01045	53	0.38245	0.0047	3
BERYLLIUM	0	P01010	MANGANESE	P01055	136	-0.25704	0.0025	3
BERYLLIUM	0	P01010	NICKEL	P01065	522	-0.08926	0.0415	3
BERYLLIUM	0	P01010	PH	P00400	515	-0.12102	0.006	3

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01012	PH	P00400	56	-0.70862	0.0001	3
BERYLLIUM	0	P01010	WELL-DEPTH	P72008	384	0.16021	0.0016	3
CADMIUM	0	P01025	CHROMIUM	P01030	682	0.2888	0.0001	3
CADMIUM	0	P01025	CONDUCTANCE	P00095	654	-0.08394	0.0319	3
CADMIUM	0	P01027	CONDUCTANCE	P00095	29	-0.40482	0.0294	3
CADMIUM	0	P01025	DEPTH-BELOW-LAN	P72019	207	-0.70636	0.0001	3
CADMIUM	0	P01025	IRON	P01046	681	0.24248	0.0001	3
CADMIUM	0	P01027	IRON	P01045	30	0.4563	0.0113	3
CADMIUM	0	P01025	MANGANESE	P01055	163	0.53914	0.0001	3
CADMIUM	0	P01025	MANGANESE	P01056	680	0.14842	0.0001	3
CADMIUM	0	P01027	MANGANESE	P01055	30	0.43602	0.016	3
CADMIUM	0	P01025	NICKEL	P01065	679	0.25667	0.0001	3
CADMIUM	0	P01025	PH	P00400	545	-0.29107	0.0001	3
CADMIUM	0	P01027	PH	P00400	30	-0.66192	0.0001	3
CADMIUM	0	P01025	SELENIUM	P01145	296	0.96576	0.0001	3
CADMIUM	0	P01025	WELL-DEPTH	P72008	458	0.19257	0.0001	3
CADMIUM	5	P01025	ARSENIC	P01000	30	0.70851	0.0001	3
CADMIUM	5	P01025	CHROMIUM	P01030	37	0.48195	0.0025	3
CADMIUM	5	P01025	MANGANESE	P01056	37	-0.34196	0.0383	3
CADMIUM	5	P01025	NICKEL	P01065	37	-0.38037	0.0202	3
CADMIUM	5	P01025	SELENIUM	P01145	28	1	0.0001	3
CADMIUM	5	P01025	SULFATE	P00945	37	-0.32662	0.0485	3
CHROMIUM	0	P01030	CONDUCTANCE	P00095	654	0.64639	0.0001	3
CHROMIUM	0	P01030	DEPTH-BELOW-LAN	P72019	207	0.67544	0.0001	3
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	556	-0.15219	0.0003	3
CHROMIUM	0	P01030	HARDNESS	P00900	678	0.67889	0.0001	3
CHROMIUM	0	P01030	IRON	P01046	683	0.30293	0.0001	3
CHROMIUM	0	P01030	MANGANESE	P01055	163	0.5571	0.0001	3
CHROMIUM	0	P01030	MANGANESE	P01056	682	0.46659	0.0001	3
CHROMIUM	0	P01030	NICKEL	P01065	681	0.36644	0.0001	3
CHROMIUM	0	P01030	PH	P00400	545	-0.27352	0.0001	3
CHROMIUM	0	P01030	SELENIUM	P01145	296	0.97006	0.0001	3
CHROMIUM	0	P01030	WELL-DEPTH	P72008	459	-0.33043	0.0001	3
DEPTH-BELOW-LAN	0	P72019	DISSOLVED-OXYGE	P00300	974	0.15057	0.0001	3
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	2228	-0.17376	0.0001	3
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	1285	0.98427	0.0001	3
DISSOLVED-SOLID	0	P70301	DEPTH-BELOW-LAN	P72019	536	0.24033	0.0001	3
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	1177	-0.20633	0.0001	3
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	1294	0.62882	0.0001	3
DISSOLVED-SOLID	0	P70301	PH	P00400	1291	0.19574	0.0001	3
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	1117	0.56253	0.0001	3
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	15	0.92634	0.0001	3
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	114	0.98133	0.0001	3
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	95	-0.25202	0.0137	3
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	114	0.62778	0.0001	3
DISSOLVED-SOLID	500	P70301	IRON	P01045	4	0.95911	0.0409	3
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	4	0.95175	0.0482	3
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	114	0.26488	0.0044	3
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	103	0.50489	0.0001	3
HARDNESS	0	P00900	CONDUCTANCE	P00095	1538	0.51844	0.0001	3
HARDNESS	0	P00900	DEPTH-BELOW-LAN	P72019	644	0.28499	0.0001	3

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	1303	-0.16026	0.0001	[illegible]
HARDNESS	0	P00900	PH	P00400	1436	0.22904	0.0001	3
HARDNESS	300	P00900	ANTIMONY	P01095	25	0.80133	0.0001	3
HARDNESS	300	P00900	BARIUM	P01005	172	-0.24581	0.0012	3
HARDNESS	300	P00900	CADMIUM	P01025	170	0.38628	0.0001	3
HARDNESS	300	P00900	CHROMIUM	P01030	172	0.53831	0.0001	3
HARDNESS	300	P00900	CONDUCTANCE	P00095	271	0.53642	0.0001	3
HARDNESS	300	P00900	DEPTH-BELOW-LAN	P72019	157	0.17508	0.0283	3
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	186	-0.36302	0.0001	3
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	167	0.88227	0.0001	3
HARDNESS	300	P00900	IRON	P01046	295	0.17712	0.0023	3
HARDNESS	300	P00900	MANGANESE	P01056	294	0.75763	0.0001	3
HARDNESS	300	P00900	NICKEL	P01065	172	0.63618	0.0001	3
HARDNESS	300	P00900	SULFATE	P00945	294	0.92917	0.0001	3
HARDNESS	300	P00900	WELL-DEPTH	P72008	220	0.14415	0.0326	3
IRON	0	P01046	CONDUCTANCE	P00095	1551	0.12867	0.0001	3
IRON	0	P01046	DISSOLVED-OXYGE	P00300	1315	-0.24304	0.0001	3
IRON	0	P01046	DISSOLVED-SOLID	P70301	1296	0.12378	0.0001	3
IRON	0	P01046	HARDNESS	P00900	1576	0.15017	0.0001	3
IRON	0	P01046	MANGANESE	P01055	294	0.37377	0.0001	3
IRON	0	P01046	MANGANESE	P01056	1588	0.19136	0.0001	3
IRON	0	P01046	NICKEL	P01065	681	0.21975	0.0001	3
IRON	0	P01046	PH	P00400	1449	-0.09714	0.0002	3
IRON	0	P01046	SELENIUM	P01145	295	0.37317	0.0001	3
IRON	300	P01046	ANTIMONY	P01095	54	0.28848	0.0344	3
IRON	300	P01046	ARSENIC	P01000	97	0.28507	0.0047	[illegible]
IRON	300	P01046	CADMIUM	P01025	214	0.17409	0.0107	3
IRON	300	P01046	MANGANESE	P01056	462	0.12117	0.0091	3
IRON	300	P01046	NICKEL	P01065	217	0.13715	0.0436	3
IRON	300	P01046	NITRITE	P00613	233	0.22097	0.0007	3
IRON	2500	P01046	ARSENIC	P01002	26	-0.49607	0.01	3
IRON	2500	P01045	BARIUM	P01007	5	-0.99048	0.0011	3
IRON	2500	P01046	BARIUM	P01005	107	-0.20732	0.0321	3
IRON	2500	P01045	BERYLLIUM	P01012	9	0.71994	0.0287	3
IRON	2500	P01046	HARDNESS	P00900	249	0.25197	0.0001	3
IRON	2500	P01046	MANGANESE	P01056	249	0.24172	0.0001	3
IRON	2500	P01045	RADIUM-226	P76001	4	0.95965	0.0403	3
IRON	2500	P01046	RADIUM-226	P76001	4	0.96022	0.0398	3
IRON	2500	P01046	SULFATE	P00945	249	0.2409	0.0001	3
IRON	2500	P01046	WELL-DEPTH	P72008	197	-0.1795	0.0116	3
MANGANESE	0	P01055	CONDUCTANCE	P00095	328	0.2302	0.0001	3
MANGANESE	0	P01056	CONDUCTANCE	P00095	1549	0.20036	0.0001	3
MANGANESE	0	P01056	DEPTH-BELOW-LAN	P72019	644	0.13318	0.0007	3
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	304	-0.16121	0.0048	3
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	1313	-0.13468	0.0001	3
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	244	0.18195	0.0044	3
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	1296	0.14791	0.0001	3
MANGANESE	0	P01055	HARDNESS	P00900	294	0.30879	0.0001	3
MANGANESE	0	P01056	HARDNESS	P00900	1575	0.7445	0.0001	3
MANGANESE	0	P01055	NICKEL	P01065	163	0.91901	0.0001	3
MANGANESE	0	P01055	NICKEL	P01067	41	0.6304	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01056	NICKEL	P01065	680	0.88867	0.0001	3
MANGANESE	0	P01056	NICKEL	P01067	40	0.69376	0.0001	3
MANGANESE	0	P01055	PH	P00400	327	-0.51271	0.0001	3
MANGANESE	0	P01056	PH	P00400	1447	-0.2453	0.0001	3
MANGANESE	0	P01055	SELENIUM	P01145	150	0.86306	0.0001	3
MANGANESE	0	P01056	SELENIUM	P01145	295	0.53673	0.0001	3
MANGANESE	0	P01056	WELL-DEPTH	P72008	1303	-0.07969	0.004	3
MANGANESE	50	P01055	ARSENIC	P01000	49	0.75851	0.0001	3
MANGANESE	50	P01056	ARSENIC	P01000	147	0.33975	0.0001	3
MANGANESE	50	P01056	ARSENIC	P01002	35	0.59885	0.0001	3
MANGANESE	50	P01055	BARIUM	P01005	62	-0.36095	0.0039	3
MANGANESE	50	P01056	BARIUM	P01005	325	-0.13871	0.0123	3
MANGANESE	50	P01055	BERYLLIUM	P01010	35	-0.651	0.0001	3
MANGANESE	50	P01055	CADMIUM	P01025	62	0.26015	0.0411	3
MANGANESE	50	P01056	CADMIUM	P01025	324	0.11301	0.0421	3
MANGANESE	50	P01055	CHROMIUM	P01030	62	0.28466	0.0249	3
MANGANESE	50	P01056	CHROMIUM	P01030	326	0.42201	0.0001	3
MANGANESE	50	P01055	CONDUCTANCE	P00095	106	0.23617	0.0148	3
MANGANESE	50	P01056	CONDUCTANCE	P00095	580	0.18726	0.0001	3
MANGANESE	50	P01056	DEPTH-BELOW-LAN	P72019	233	0.28489	0.0001	3
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	55	0.33504	0.0124	3
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	398	0.12795	0.0106	3
MANGANESE	50	P01055	HARDNESS	P00900	92	0.6863	0.0001	3
MANGANESE	50	P01056	HARDNESS	P00900	610	0.74909	0.0001	3
MANGANESE	50	P01056	IRON	P01046	611	0.12669	0.0017	3
MANGANESE	50	P01055	NICKEL	P01065	62	0.86427	0.0001	3
MANGANESE	50	P01055	NICKEL	P01067	41	0.6304	0.0001	3
MANGANESE	50	P01056	NICKEL	P01065	326	0.88472	0.0001	3
MANGANESE	50	P01056	NICKEL	P01067	40	0.69376	0.0001	3
MANGANESE	50	P01055	PH	P00400	106	-0.61479	0.0001	3
MANGANESE	50	P01056	PH	P00400	478	-0.35743	0.0001	3
MANGANESE	50	P01056	RADON	P76002	235	-0.14754	0.0237	3
MANGANESE	50	P01055	SELENIUM	P01145	49	0.7701	0.0001	3
MANGANESE	50	P01056	SELENIUM	P01145	109	0.4348	0.0001	3
MANGANESE	50	P01055	SULFATE	P00945	107	0.94727	0.0001	3
MANGANESE	50	P01056	SULFATE	P00945	610	0.8351	0.0001	3
MANGANESE	50	P01056	WELL-DEPTH	P72008	457	-0.11075	0.0179	3
MERCURY	0	P71890	NICKEL	P01065	160	0.20322	0.01	3
NICKEL	0	P01065	CONDUCTANCE	P00095	652	0.38887	0.0001	3
NICKEL	0	P01067	CONDUCTANCE	P00095	39	0.68974	0.0001	3
NICKEL	0	P01065	DEPTH-BELOW-LAN	P72019	207	0.24298	0.0004	3
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	554	-0.12959	0.0022	3
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	495	0.21513	0.0001	3
NICKEL	0	P01065	HARDNESS	P00900	679	0.62048	0.0001	3
NICKEL	0	P01067	HARDNESS	P00900	40	0.59933	0.0001	3
NICKEL	0	P01065	PH	P00400	543	-0.52868	0.0001	3
NICKEL	0	P01067	PH	P00400	40	-0.40942	0.0087	3
NICKEL	0	P01065	SELENIUM	P01145	296	0.69376	0.0001	3
NICKEL	0	P01065	WELL-DEPTH	P72008	456	-0.23869	0.0001	3
NICKEL	100	P01065	CADMIUM	P01025	66	0.32797	0.0072	3
NICKEL	100	P01065	CHROMIUM	P01030	68	0.41651	0.0004	3

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	100	P01065	CONDUCTANCE	P00095	54	0.31374	0.0209	
NICKEL	100	P01067	CONDUCTANCE	P00095	21	0.67288	0.0008	3
NICKEL	100	P01065	HARDNESS	P00900	69	0.64369	0.0001	3
NICKEL	100	P01067	HARDNESS	P00900	21	0.80715	0.0001	3
NICKEL	100	P01065	IRON	P01045	20	0.70703	0.0005	3
NICKEL	100	P01065	IRON	P01046	69	0.30055	0.0121	3
NICKEL	100	P01065	MANGANESE	P01055	20	0.52963	0.0163	3
NICKEL	100	P01065	MANGANESE	P01056	68	0.87744	0.0001	3
NICKEL	100	P01067	MANGANESE	P01055	22	0.44366	0.0386	3
NICKEL	100	P01067	MANGANESE	P01056	21	0.57012	0.007	3
NICKEL	100	P01065	SULFATE	P00945	69	0.6957	0.0001	3
NICKEL	100	P01067	SULFATE	P00945	21	0.6984	0.0004	3
NITRATE	0	P00618	CONDUCTANCE	P00095	278	0.11969	0.0462	3
NITRATE	0	P00618	DEPTH-BELOW-LAN	P72019	183	-0.19395	0.0085	3
NITRATE	0	P00618	HARDNESS	P00900	143	0.29039	0.0004	3
NITRATE	0	P00618	IRON	P01046	147	-0.17271	0.0365	3
NITRATE	0	P00618	NITRITE	P00613	302	0.28629	0.0001	3
NITRATE	0	P00618	WELL-DEPTH	P72008	281	-0.19874	0.0008	3
NITRATE	8	P00618	BARIUM	P01005	9	0.68716	0.0408	3
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	107	-0.20377	0.0353	3
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	29	0.53546	0.0028	3
NITRATE	8	P00618	HARDNESS	P00900	30	0.52062	0.0032	3
NITRATE	8	P00618	NICKEL	P01065	9	0.7554	0.0186	3
NITRATE	8	P00618	NITRITE	P00613	110	0.21588	0.0235	3
NITRATE	8	P00618	WELL-DEPTH	P72008	109	0.26428	0.0055	3
NITRATE	10	P00618	CONDUCTANCE	P00095	73	0.25472	0.0296	
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	20	0.54179	0.0136	3
NITRATE	10	P00618	HARDNESS	P00900	21	0.54057	0.0114	3
NITRATE	10	P00618	WELL-DEPTH	P72008	78	0.48078	0.0001	3
NITRITE	0	P00613	DEPTH-BELOW-LAN	P72019	819	-0.10349	0.003	3
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	1464	-0.09845	0.0002	3
NITRITE	0	P00613	HARDNESS	P00900	1200	0.07989	0.0056	3
NITRITE	0	P00613	PH	P00400	1591	0.08428	0.0008	3
NITRITE	0	P00613	TURBIDITY	P00076	110	0.677	0.0001	3
NITRITE	0	P00613	WELL-DEPTH	P72008	1434	-0.07347	0.0054	3
PH	0	P00400	CONDUCTANCE	P00095	3006	0.10826	0.0001	3
PH	0	P00400	DISSOLVED-OXYGE	P00300	2209	-0.23214	0.0001	3
RADIUM-226	0	P09510	CONDUCTANCE	P00095	22	0.90922	0.0001	3
RADIUM-226	0	P76001	CONDUCTANCE	P00095	22	0.90343	0.0001	3
RADIUM-226	0	P09510	MANGANESE	P01055	15	0.52141	0.0462	3
RADIUM-226	0	P09510	PH	P00400	22	-0.45267	0.0344	3
RADIUM-226	0	P76001	PH	P00400	22	-0.46379	0.0297	3
RADIUM-226	3	P09510	CONDUCTANCE	P00095	4	0.98898	0.011	3
RADIUM-226	3	P09510	MANGANESE	P01055	4	0.95841	0.0416	3
RADIUM-226	3	P09510	MANGANESE	P01056	4	0.9624	0.0376	3
RADIUM-226	4	P09510	CONDUCTANCE	P00095	4	0.98898	0.011	3
RADIUM-226	4	P09510	MANGANESE	P01055	4	0.95841	0.0416	3
RADIUM-226	4	P09510	MANGANESE	P01056	4	0.9624	0.0376	3
RADON	0	P76002	BARIUM	P01005	486	-0.19859	0.0001	3
RADON	0	P82303	BARIUM	P01005	486	-0.17139	0.0001	3
RADON	0	P82303	BERYLLIUM	P01010	487	0.13155	0.0036	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
RADON	0	P82303	CHROMIUM	P01030	490	-0.15817	0.0004	3
RADON	0	P76002	CONDUCTANCE	P00095	1055	-0.2836	0.0001	3
RADON	0	P82303	CONDUCTANCE	P00095	1055	-0.21801	0.0001	3
RADON	0	P76002	DEPTH-BELOW-LAN	P72019	448	-0.16095	0.0006	3
RADON	0	P76002	DISSOLVED-OXYGE	P00300	1008	0.23896	0.0001	3
RADON	0	P82303	DISSOLVED-OXYGE	P00300	1008	0.19888	0.0001	3
RADON	0	P76002	DISSOLVED-SOLID	P70301	860	-0.28291	0.0001	3
RADON	0	P82303	DISSOLVED-SOLID	P70301	860	-0.24369	0.0001	3
RADON	0	P76002	HARDNESS	P00900	909	-0.31294	0.0001	3
RADON	0	P82303	HARDNESS	P00900	909	-0.25702	0.0001	3
RADON	0	P76002	IRON	P01046	917	-0.12382	0.0002	3
RADON	0	P82303	IRON	P01046	917	-0.09948	0.0026	3
RADON	0	P76002	MANGANESE	P01056	917	-0.13622	0.0001	3
RADON	0	P82303	MANGANESE	P01056	917	-0.10343	0.0017	3
RADON	0	P76002	NITRITE	P00613	956	0.07944	0.014	3
RADON	0	P76002	PH	P00400	1049	-0.33895	0.0001	3
RADON	0	P82303	PH	P00400	1049	-0.28423	0.0001	3
RADON	100	P82303	BARIUM	P01005	448	-0.16029	0.0007	3
RADON	100	P82303	BERYLLIUM	P01010	449	0.12405	0.0085	3
RADON	100	P82303	CHROMIUM	P01030	452	-0.16515	0.0004	3
RADON	100	P82303	CONDUCTANCE	P00095	990	-0.22193	0.0001	3
RADON	100	P76002	DEPTH-BELOW-LAN	P72019	3	0.99989	0.0095	3
RADON	100	P82303	DISSOLVED-OXYGE	P00300	948	0.1798	0.0001	3
RADON	100	P82303	DISSOLVED-SOLID	P70301	804	-0.25191	0.0001	3
RADON	100	P82303	HARDNESS	P00900	852	-0.26612	0.0001	3
RADON	100	P82303	IRON	P01046	859	-0.08596	0.0117	3
RADON	100	P82303	MANGANESE	P01056	859	-0.09081	0.0077	3
RADON	100	P82303	PH	P00400	984	-0.29099	0.0001	3
RADON	100	P82303	SULFATE	P00945	862	-0.0998	0.0034	3
RADON	100	P76002	WELL-DEPTH	P72008	14	0.58238	0.0289	3
RADON	300	P82303	BARIUM	P01005	366	-0.14701	0.0048	3
RADON	300	P82303	BERYLLIUM	P01010	367	0.11288	0.0306	3
RADON	300	P82303	CHROMIUM	P01030	370	-0.15119	0.0036	3
RADON	300	P82303	CONDUCTANCE	P00095	820	-0.2252	0.0001	3
RADON	300	P82303	DISSOLVED-OXYGE	P00300	788	0.13741	0.0001	3
RADON	300	P82303	DISSOLVED-SOLID	P70301	667	-0.25836	0.0001	3
RADON	300	P82303	HARDNESS	P00900	709	-0.28027	0.0001	3
RADON	300	P82303	PH	P00400	816	-0.29204	0.0001	3
RADON	300	P82303	SULFATE	P00945	718	-0.08022	0.0316	3
RADON	500	P82303	BARIUM	P01005	322	-0.15642	0.0049	3
RADON	500	P82303	CHROMIUM	P01030	326	-0.14324	0.0096	3
RADON	500	P82303	CONDUCTANCE	P00095	682	-0.22034	0.0001	3
RADON	500	P82303	DISSOLVED-OXYGE	P00300	655	0.13399	0.0006	3
RADON	500	P82303	DISSOLVED-SOLID	P70301	549	-0.25681	0.0001	3
RADON	500	P82303	HARDNESS	P00900	590	-0.27223	0.0001	3
RADON	500	P82303	PH	P00400	679	-0.27173	0.0001	3
RADON	500	P82303	SULFATE	P00945	598	-0.0945	0.0208	3
RADON	1000	P82303	BARIUM	P01005	242	-0.16232	0.0114	3
RADON	1000	P82303	CONDUCTANCE	P00095	479	-0.16032	0.0004	3
RADON	1000	P82303	DISSOLVED-OXYGE	P00300	458	0.12926	0.0056	3
RADON	1000	P82303	DISSOLVED-SOLID	P70301	370	-0.18462	0.0004	3

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
RADON	1000	P82303	HARDNESS	P00900	406	-0.18211	0.0002	3
RADON	1000	P82303	PH	P00400	476	-0.21604	0.0001	3
RADON	3000	P82303	NITRITE	P00613	175	0.22377	0.0029	3
SELENIUM	0	P01145	PH	P00400	291	-0.38668	0.0001	3
SULFATE	0	P00945	BARIUM	P01005	680	-0.16483	0.0001	3
SULFATE	0	P00945	BERYLLIUM	P01010	522	-0.13775	0.0016	3
SULFATE	0	P00945	CADMIUM	P01025	681	0.09446	0.0137	3
SULFATE	0	P00945	CHROMIUM	P01030	683	0.65926	0.0001	3
SULFATE	0	P00945	CONDUCTANCE	P00095	1591	0.32853	0.0001	3
SULFATE	0	P00945	DEPTH-BELOW-LAN	P72019	643	0.26462	0.0001	3
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	1355	-0.20845	0.0001	3
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	1297	0.46703	0.0001	3
SULFATE	0	P00945	HARDNESS	P00900	1575	0.9284	0.0001	3
SULFATE	0	P00945	IRON	P01046	1587	0.15175	0.0001	3
SULFATE	0	P00945	MANGANESE	P01055	331	0.92799	0.0001	3
SULFATE	0	P00945	MANGANESE	P01056	1586	0.83888	0.0001	3
SULFATE	0	P00945	NICKEL	P01065	681	0.70767	0.0001	3
SULFATE	0	P00945	NICKEL	P01067	40	0.69718	0.0001	3
SULFATE	0	P00945	NITRITE	P00613	1214	0.09022	0.0017	3
SULFATE	0	P00945	PH	P00400	1525	-0.07892	0.002	3
SULFATE	0	P00945	RADON	P76002	920	-0.11048	0.0008	3
SULFATE	0	P00945	RADON	P82303	920	-0.10802	0.001	3
SULFATE	0	P00945	SELENIUM	P01145	296	0.29471	0.0001	3
SULFATE	0	P00945	WELL-DEPTH	P72008	1367	-0.06098	0.0242	3
SULFATE	25	P00945	BARIUM	P01005	340	-0.25828	0.0001	3
SULFATE	25	P00945	CHROMIUM	P01030	341	0.59422	0.0001	3
SULFATE	25	P00945	CONDUCTANCE	P00095	620	0.2894	0.0001	3
SULFATE	25	P00945	DEPTH-BELOW-LAN	P72019	244	0.38462	0.0001	3
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	507	-0.2621	0.0001	3
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	436	0.45164	0.0001	3
SULFATE	25	P00945	HARDNESS	P00900	631	0.93617	0.0001	3
SULFATE	25	P00945	IRON	P01045	85	0.34163	0.0014	3
SULFATE	25	P00945	IRON	P01046	632	0.15517	0.0001	3
SULFATE	25	P00945	MANGANESE	P01055	86	0.93183	0.0001	3
SULFATE	25	P00945	MANGANESE	P01056	631	0.83794	0.0001	3
SULFATE	25	P00945	NICKEL	P01065	341	0.70098	0.0001	3
SULFATE	25	P00945	NICKEL	P01067	39	0.67915	0.0001	3
SULFATE	25	P00945	PH	P00400	515	-0.14282	0.0012	3
SULFATE	25	P00945	RADON	P76002	313	-0.13638	0.0158	3
SULFATE	25	P00945	RADON	P82303	313	-0.11956	0.0345	3
SULFATE	25	P00945	WELL-DEPTH	P72008	476	-0.09303	0.0425	3
SULFATE	120	P00945	BARIUM	P01005	189	-0.2598	0.0003	3
SULFATE	120	P00945	CHROMIUM	P01030	189	0.48503	0.0001	3
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	117	-0.18275	0.0486	3
SULFATE	120	P00945	HARDNESS	P00900	233	0.92983	0.0001	3
SULFATE	120	P00945	MANGANESE	P01055	29	0.80241	0.0001	3
SULFATE	120	P00945	MANGANESE	P01056	232	0.8324	0.0001	3
SULFATE	120	P00945	NICKEL	P01065	190	0.69671	0.0001	3
SULFATE	120	P00945	NICKEL	P01067	27	0.59203	0.0011	3
SULFATE	120	P00945	SELENIUM	P01145	32	-0.44783	0.0102	3
SULFATE	120	P00945	WELL-DEPTH	P72008	131	-0.32341	0.0002	3

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	150	P00945	BARIUM	P01005	173	-0.25095	0.0009	3
SULFATE	150	P00945	CHROMIUM	P01030	173	0.47827	0.0001	3
SULFATE	150	P00945	HARDNESS	P00900	200	0.92692	0.0001	3
SULFATE	150	P00945	MANGANESE	P01055	23	0.79242	0.0001	3
SULFATE	150	P00945	MANGANESE	P01056	199	0.83066	0.0001	3
SULFATE	150	P00945	NICKEL	P01065	174	0.70041	0.0001	3
SULFATE	150	P00945	NICKEL	P01067	21	0.66549	0.001	3
SULFATE	150	P00945	SELENIUM	P01145	27	-0.46216	0.0152	3
SULFATE	150	P00945	WELL-DEPTH	P72008	109	-0.3113	0.001	3
SULFATE	250	P00945	BARIUM	P01005	139	-0.29995	0.0003	3
SULFATE	250	P00945	CADMIUM	P01025	137	0.34943	0.0001	3
SULFATE	250	P00945	CHROMIUM	P01030	139	0.46457	0.0001	3
SULFATE	250	P00945	DISSOLVED-OXYGE	P00300	43	-0.30458	0.047	3
SULFATE	250	P00945	HARDNESS	P00900	147	0.91322	0.0001	3
SULFATE	250	P00945	MANGANESE	P01056	146	0.82772	0.0001	3
SULFATE	250	P00945	NICKEL	P01065	139	0.71467	0.0001	3
SULFATE	250	P00945	WELL-DEPTH	P72008	78	-0.22853	0.0442	3
SULFATE	500	P00945	BARIUM	P01005	113	-0.27454	0.0033	3
SULFATE	500	P00945	CADMIUM	P01025	111	0.7311	0.0001	3
SULFATE	500	P00945	CHROMIUM	P01030	113	0.48839	0.0001	3
SULFATE	500	P00945	HARDNESS	P00900	116	0.89738	0.0001	3
SULFATE	500	P00945	MANGANESE	P01056	115	0.82319	0.0001	3
SULFATE	500	P00945	NICKEL	P01065	113	0.73129	0.0001	3
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	2798	0.24103	0.0001	3
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	1297	0.13707	0.0001	3
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	1944	-0.05452	0.0162	3
WELL-DEPTH	0	P72008	PH	P00400	2720	0.21046	0.0001	3
ALKALINITY	0	P39036	CONDUCTANCE	P00095	6	0.99692	0.0001	4
ANTIMONY	0	P01097	BARIUM	P01007	93	0.70937	0.0001	4
ANTIMONY	0	P01097	BERYLLIUM	P01012	95	0.96091	0.0001	4
ANTIMONY	0	P01095	CADMIUM	P01025	304	0.82108	0.0001	4
ANTIMONY	0	P01097	CADMIUM	P01027	95	0.99393	0.0001	4
ANTIMONY	0	P01095	CHROMIUM	P01030	304	0.80778	0.0001	4
ANTIMONY	0	P01097	CHROMIUM	P01034	95	0.59243	0.0001	4
ANTIMONY	0	P01095	CONDUCTANCE	P00095	304	0.36182	0.0001	4
ANTIMONY	0	P01097	CYANIDE	P00720	89	1	0.0001	4
ANTIMONY	0	P01097	DEPTH-BELOW-LAN	P72019	85	0.36273	0.0006	4
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	294	-0.43174	0.0001	4
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	199	0.241	0.0006	4
ANTIMONY	0	P01095	HARDNESS	P00900	304	0.2783	0.0001	4
ANTIMONY	0	P01095	IRON	P01046	304	0.12588	0.0282	4
ANTIMONY	0	P01097	IRON	P01045	95	0.59056	0.0001	4
ANTIMONY	0	P01097	MANGANESE	P01055	95	0.43882	0.0001	4
ANTIMONY	0	P01097	MERCURY	P71900	92	0.99831	0.0001	4
ANTIMONY	0	P01097	NICKEL	P01067	95	0.90603	0.0001	4
ANTIMONY	0	P01095	PH	P00400	304	-0.30219	0.0001	4
ANTIMONY	0	P01097	PH	P00400	88	-0.76637	0.0001	4
ANTIMONY	0	P01097	SELENIUM	P01147	95	0.92915	0.0001	4
ANTIMONY	0	P01097	THALLIUM	P01059	92	0.56417	0.0001	4
ANTIMONY	6	P01097	ARSENIC	P01002	19	-1	0.0001	4
ANTIMONY	6	P01095	BERYLLIUM	P01010	112	-0.60736	0.0001	4

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	6	P01097	BERYLLIUM	P01012	19	-1	0.0001	
ANTIMONY	6	P01095	CADMIUM	P01025	112	-0.37945	0.0001	4
ANTIMONY	6	P01097	CADMIUM	P01027	19	1	0.0001	4
ANTIMONY	6	P01097	CONDUCTANCE	P00095	19	0.95044	0.0001	4
ANTIMONY	6	P01097	NICKEL	P01067	19	-1	0.0001	4
ANTIMONY	6	P01095	NITRITE	P00613	5	0.91856	0.0276	4
ANTIMONY	6	P01095	SELENIUM	P01145	112	-0.28021	0.0028	4
ANTIMONY	6	P01097	THALLIUM	P01059	19	1	0.0001	4
ANTIMONY	6	P01097	WELL-DEPTH	P72008	19	0.96608	0.0001	4
ARSENIC	0	P01000	ANTIMONY	P01095	304	0.27594	0.0001	4
ARSENIC	0	P01002	ANTIMONY	P01097	95	0.90197	0.0001	4
ARSENIC	0	P01002	BARIUM	P01007	173	0.28906	0.0001	4
ARSENIC	0	P01002	BERYLLIUM	P01012	166	0.942	0.0001	4
ARSENIC	0	P01000	CADMIUM	P01025	407	0.19998	0.0001	4
ARSENIC	0	P01002	CADMIUM	P01027	253	0.79688	0.0001	4
ARSENIC	0	P01000	CHROMIUM	P01030	461	0.2123	0.0001	4
ARSENIC	0	P01002	CHROMIUM	P01034	253	0.48256	0.0001	4
ARSENIC	0	P01002	CONDUCTANCE	P00095	262	-0.34363	0.0001	4
ARSENIC	0	P01002	CYANIDE	P00720	161	0.99447	0.0001	4
ARSENIC	0	P01002	DEPTH-BELOW-LAN	P72019	216	0.41246	0.0001	4
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	347	-0.17381	0.0012	4
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	19	-0.71349	0.0006	4
ARSENIC	0	P01000	HARDNESS	P00900	491	0.18709	0.0001	4
ARSENIC	0	P01002	IRON	P01045	182	0.27556	0.0002	4
ARSENIC	0	P01002	MANGANESE	P01055	178	0.21702	0.0036	4
ARSENIC	0	P01002	MERCURY	P71900	251	0.94923	0.0001	
ARSENIC	0	P01002	NICKEL	P01067	177	0.91037	0.0001	4
ARSENIC	0	P01002	NITRITE	P00615	148	0.16716	0.0423	4
ARSENIC	0	P01002	PH	P00400	243	-0.50358	0.0001	4
ARSENIC	0	P01002	SELENIUM	P01147	269	0.92947	0.0001	4
ARSENIC	0	P01000	SULFATE	P00945	490	0.40884	0.0001	4
ARSENIC	0	P01002	THALLIUM	P01059	92	0.2813	0.0066	4
ARSENIC	0	P01000	WELL-DEPTH	P72008	325	0.15111	0.0063	4
ARSENIC	2	P01002	ANTIMONY	P01097	27	0.71183	0.0001	4
ARSENIC	2	P01002	BERYLLIUM	P01012	36	0.89515	0.0001	4
ARSENIC	2	P01002	CADMIUM	P01027	117	0.66134	0.0001	4
ARSENIC	2	P01002	CHROMIUM	P01034	117	0.34066	0.0002	4
ARSENIC	2	P01002	CONDUCTANCE	P00095	123	-0.31834	0.0003	4
ARSENIC	2	P01002	CYANIDE	P00720	33	0.99258	0.0001	4
ARSENIC	2	P01002	MERCURY	P71900	114	0.93643	0.0001	4
ARSENIC	2	P01000	NICKEL	P01065	33	0.42298	0.0142	4
ARSENIC	2	P01002	NICKEL	P01067	41	0.90137	0.0001	4
ARSENIC	2	P01000	PH	P00400	146	0.19847	0.0163	4
ARSENIC	2	P01002	PH	P00400	113	-0.25949	0.0055	4
ARSENIC	2	P01002	SELENIUM	P01147	121	0.79794	0.0001	4
ARSENIC	2	P01000	SULFATE	P00945	146	0.46662	0.0001	4
ARSENIC	5	P01002	BERYLLIUM	P01012	22	0.59655	0.0034	4
ARSENIC	5	P01002	CADMIUM	P01027	101	0.80436	0.0001	4
ARSENIC	5	P01002	CHROMIUM	P01034	101	0.27737	0.005	4
ARSENIC	5	P01002	CYANIDE	P00720	19	1	0.0001	4
ARSENIC	5	P01002	MERCURY	P71900	98	0.97772	0.0001	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	5	P01002	NICKEL	P01067	25	0.81879	0.0001	4
ARSENIC	5	P01000	SULFATE	P00945	36	0.68049	0.0001	4
ARSENIC	5	P01002	THALLIUM	P01059	21	-0.99274	0.0001	4
ARSENIC	10	P01002	BERYLLIUM	P01012	22	0.59655	0.0034	4
ARSENIC	10	P01002	CADMIUM	P01027	99	0.78458	0.0001	4
ARSENIC	10	P01002	CHROMIUM	P01034	99	0.26354	0.0084	4
ARSENIC	10	P01002	CYANIDE	P00720	19	1	0.0001	4
ARSENIC	10	P01000	DISSOLVED-OXYGE	P00300	21	0.5006	0.0208	4
ARSENIC	10	P01002	MERCURY	P71900	96	0.97608	0.0001	4
ARSENIC	10	P01002	NICKEL	P01067	23	0.75533	0.0001	4
ARSENIC	10	P01000	SULFATE	P00945	23	0.66322	0.0006	4
ARSENIC	10	P01002	THALLIUM	P01059	21	-0.99274	0.0001	4
ARSENIC	20	P01000	DISSOLVED-OXYGE	P00300	16	0.64841	0.0066	4
ARSENIC	20	P01000	SULFATE	P00945	18	0.64642	0.0037	4
BARIUM	0	P01005	BERYLLIUM	P01010	367	-0.21123	0.0001	4
BARIUM	0	P01007	BERYLLIUM	P01012	93	0.7467	0.0001	4
BARIUM	0	P01007	CADMIUM	P01027	173	0.28088	0.0002	4
BARIUM	0	P01007	CHROMIUM	P01034	173	0.64659	0.0001	4
BARIUM	0	P01005	CONDUCTANCE	P00095	777	0.10219	0.0044	4
BARIUM	0	P01007	CYANIDE	P00720	90	0.74959	0.0001	4
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	573	0.17036	0.0001	4
BARIUM	0	P01005	HARDNESS	P00900	661	0.12784	0.001	4
BARIUM	0	P01005	IRON	P01045	55	0.97506	0.0001	4
BARIUM	0	P01005	IRON	P01046	634	0.14901	0.0002	4
BARIUM	0	P01007	IRON	P01045	173	0.55111	0.0001	4
BARIUM	0	P01005	MANGANESE	P01056	581	0.32808	0.0001	4
BARIUM	0	P01007	MANGANESE	P01055	173	0.30244	0.0001	4
BARIUM	0	P01007	MERCURY	P71900	172	0.27891	0.0002	4
BARIUM	0	P01005	NICKEL	P01065	503	0.12891	0.0038	4
BARIUM	0	P01007	NICKEL	P01067	98	0.72179	0.0001	4
BARIUM	0	P01005	NITRITE	P00613	280	0.15612	0.0089	4
BARIUM	0	P01005	PH	P00400	778	-0.17657	0.0001	4
BARIUM	0	P01007	SELENIUM	P01147	173	0.27026	0.0003	4
BARIUM	0	P01007	THALLIUM	P01059	91	0.20787	0.048	4
BERYLLIUM	0	P01010	CADMIUM	P01025	461	0.26293	0.0001	4
BERYLLIUM	0	P01012	CADMIUM	P01027	166	0.77343	0.0001	4
BERYLLIUM	0	P01010	CHROMIUM	P01030	461	0.20477	0.0001	4
BERYLLIUM	0	P01012	CHROMIUM	P01034	166	0.64168	0.0001	4
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	155	-0.22412	0.0051	4
BERYLLIUM	0	P01012	CYANIDE	P00720	160	0.99858	0.0001	4
BERYLLIUM	0	P01012	DEPTH-BELOW-LAN	P72019	147	0.3647	0.0001	4
BERYLLIUM	0	P01012	DISSOLVED-OXYGE	P00300	18	-0.731	0.0006	4
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	339	0.15728	0.0037	4
BERYLLIUM	0	P01012	DISSOLVED-SOLID	P70301	122	-0.18991	0.0362	4
BERYLLIUM	0	P01012	HARDNESS	P00900	138	-0.22048	0.0094	4
BERYLLIUM	0	P01012	IRON	P01045	95	0.63329	0.0001	4
BERYLLIUM	0	P01012	MANGANESE	P01055	95	0.4734	0.0001	4
BERYLLIUM	0	P01012	MERCURY	P71900	163	0.89811	0.0001	4
BERYLLIUM	0	P01012	NICKEL	P01067	166	0.96668	0.0001	4
BERYLLIUM	0	P01012	PH	P00400	139	-0.66892	0.0001	4
BERYLLIUM	0	P01010	SELENIUM	P01145	396	0.19886	0.0001	4

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01012	SELENIUM	P01147	166	0.91767	0.0001	[illegible]
BERYLLIUM	0	P01012	THALLIUM	P01059	92	0.31364	0.0023	4
BERYLLIUM	4	P01012	ANTIMONY	P01097	19	-1	0.0001	4
BERYLLIUM	4	P01012	ARSENIC	P01002	19	1	0.0001	4
BERYLLIUM	4	P01012	CADMIUM	P01027	19	-1	0.0001	4
BERYLLIUM	4	P01012	CONDUCTANCE	P00095	19	-0.95044	0.0001	4
BERYLLIUM	4	P01012	NICKEL	P01067	19	1	0.0001	4
BERYLLIUM	4	P01012	THALLIUM	P01059	19	-1	0.0001	4
BERYLLIUM	4	P01012	WELL-DEPTH	P72008	19	-0.96608	0.0001	4
CADMIUM	0	P01025	CHROMIUM	P01030	482	0.63081	0.0001	4
CADMIUM	0	P01027	CHROMIUM	P01034	253	0.40517	0.0001	4
CADMIUM	0	P01025	CONDUCTANCE	P00095	477	0.31572	0.0001	4
CADMIUM	0	P01027	CONDUCTANCE	P00095	242	-0.31946	0.0001	4
CADMIUM	0	P01027	CYANIDE	P00720	160	0.79988	0.0001	4
CADMIUM	0	P01025	DEPTH-BELOW-LAN	P72019	131	0.55582	0.0001	4
CADMIUM	0	P01027	DEPTH-BELOW-LAN	P72019	215	0.3927	0.0001	4
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	341	-0.26482	0.0001	4
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	19	-0.71349	0.0006	4
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	342	0.2211	0.0001	4
CADMIUM	0	P01025	HARDNESS	P00900	481	0.17812	0.0001	4
CADMIUM	0	P01027	HARDNESS	P00900	144	-0.21963	0.0082	4
CADMIUM	0	P01025	IRON	P01046	482	0.32792	0.0001	4
CADMIUM	0	P01027	IRON	P01045	182	0.26391	0.0003	4
CADMIUM	0	P01025	MANGANESE	P01056	482	0.20795	0.0001	4
CADMIUM	0	P01027	MANGANESE	P01055	178	0.19332	0.0097	4
CADMIUM	0	P01027	MERCURY	P71900	250	0.79846	0.0001	[illegible]
CADMIUM	0	P01025	NICKEL	P01065	352	0.17005	0.0014	4
CADMIUM	0	P01027	NICKEL	P01067	177	0.62319	0.0001	4
CADMIUM	0	P01025	PH	P00400	470	-0.24375	0.0001	4
CADMIUM	0	P01027	PH	P00400	223	-0.63035	0.0001	4
CADMIUM	0	P01025	SELENIUM	P01145	378	0.12411	0.0158	4
CADMIUM	0	P01027	SELENIUM	P01147	249	0.77235	0.0001	4
CADMIUM	0	P01027	THALLIUM	P01059	92	0.65096	0.0001	4
CADMIUM	0	P01025	TURBIDITY	P00076	137	0.2511	0.0031	4
CADMIUM	5	P01025	ANTIMONY	P01095	16	0.66441	0.005	4
CADMIUM	5	P01027	ANTIMONY	P01097	19	1	0.0001	4
CADMIUM	5	P01027	ARSENIC	P01002	77	-0.95569	0.0001	4
CADMIUM	5	P01025	BERYLLIUM	P01010	19	-0.54186	0.0166	4
CADMIUM	5	P01027	BERYLLIUM	P01012	20	-0.99915	0.0001	4
CADMIUM	5	P01025	CHROMIUM	P01030	19	-0.79327	0.0001	4
CADMIUM	5	P01025	CONDUCTANCE	P00095	19	0.56786	0.0112	4
CADMIUM	5	P01027	CONDUCTANCE	P00095	77	0.30371	0.0072	4
CADMIUM	5	P01027	CYANIDE	P00720	19	-1	0.0001	4
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	15	0.52305	0.0454	4
CADMIUM	5	P01025	IRON	P01046	19	0.76546	0.0001	4
CADMIUM	5	P01025	MANGANESE	P01056	19	0.7905	0.0001	4
CADMIUM	5	P01027	MERCURY	P71900	76	-0.91679	0.0001	4
CADMIUM	5	P01027	NICKEL	P01067	22	-0.92736	0.0001	4
CADMIUM	5	P01027	SELENIUM	P01147	76	-0.8167	0.0001	4
CADMIUM	5	P01027	THALLIUM	P01059	19	1	0.0001	4
CADMIUM	5	P01027	WELL-DEPTH	P72008	69	0.36396	0.0021	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01034	CONDUCTANCE	P00095	242	-0.17068	0.0078	4
CHROMIUM	0	P01030	CYANIDE	P00720	54	0.52139	0.0001	4
CHROMIUM	0	P01034	CYANIDE	P00720	160	0.64307	0.0001	4
CHROMIUM	0	P01034	DEPTH-BELOW-LAN	P72019	215	0.13748	0.044	4
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	342	-0.40085	0.0001	4
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	376	0.17684	0.0006	4
CHROMIUM	0	P01030	HARDNESS	P00900	537	0.25675	0.0001	4
CHROMIUM	0	P01030	IRON	P01046	537	0.1438	0.0008	4
CHROMIUM	0	P01034	IRON	P01045	182	0.69107	0.0001	4
CHROMIUM	0	P01034	MANGANESE	P01055	178	0.25653	0.0005	4
CHROMIUM	0	P01034	MERCURY	P71900	250	0.47035	0.0001	4
CHROMIUM	0	P01030	NICKEL	P01065	408	0.31911	0.0001	4
CHROMIUM	0	P01034	NICKEL	P01067	177	0.62494	0.0001	4
CHROMIUM	0	P01034	PH	P00400	223	-0.30977	0.0001	4
CHROMIUM	0	P01030	SELENIUM	P01145	378	0.14742	0.0041	4
CHROMIUM	0	P01034	SELENIUM	P01147	249	0.4278	0.0001	4
CHROMIUM	0	P01030	WELL-DEPTH	P72008	339	0.21092	0.0001	4
CYANIDE	0	P00720	CONDUCTANCE	P00095	208	-0.14706	0.034	4
CYANIDE	0	P00720	DEPTH-BELOW-LAN	P72019	152	0.19584	0.0156	4
CYANIDE	0	P00720	DISSOLVED-OXYGE	P00300	18	-0.731	0.0006	4
CYANIDE	0	P00720	DISSOLVED-SOLID	P70301	156	0.16392	0.0409	4
CYANIDE	0	P00720	IRON	P01045	142	0.65067	0.0001	4
CYANIDE	0	P00720	MANGANESE	P01055	89	0.60964	0.0001	4
CYANIDE	0	P00720	MERCURY	P71900	162	0.89833	0.0001	4
CYANIDE	0	P00720	NICKEL	P01067	161	0.99982	0.0001	4
CYANIDE	0	P00720	PH	P00400	195	-0.45414	0.0001	4
CYANIDE	0	P00720	SELENIUM	P01147	161	0.97542	0.0001	4
CYANIDE	0	P00720	THALLIUM	P01059	89	0.95223	0.0001	4
CYANIDE	0	P00720	WELL-DEPTH	P72008	214	-0.17994	0.0083	4
DEPTH-BELOW-LAN	0	P72019	CONDUCTANCE	P00095	1997	0.20652	0.0001	4
DEPTH-BELOW-LAN	0	P72019	PH	P00400	1312	0.05504	0.0462	4
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	2910	-0.25089	0.0001	4
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	252	-0.14126	0.0249	4
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	6	0.9952	0.0001	4
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	2308	0.99348	0.0001	4
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	996	-0.20452	0.0001	4
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	2457	0.91644	0.0001	4
DISSOLVED-SOLID	0	P70301	PH	P00400	2151	0.13577	0.0001	4
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	2017	0.21036	0.0001	4
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	110	0.24017	0.0115	4
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	534	0.99295	0.0001	4
DISSOLVED-SOLID	500	P70301	CYANIDE	P00720	86	0.21766	0.0441	4
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	586	0.92227	0.0001	4
DISSOLVED-SOLID	500	P70301	IRON	P01045	225	0.59775	0.0001	4
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	34	-0.36253	0.0351	4
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	586	0.73886	0.0001	4
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	524	0.11011	0.0117	4
HARDNESS	0	P00900	ALKALINITY	P39036	6	0.97482	0.0009	4
HARDNESS	0	P00900	CONDUCTANCE	P00095	2802	0.73934	0.0001	4
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	1252	-0.19095	0.0001	4
HARDNESS	0	P00900	PH	P00400	2639	0.21597	0.0001	4

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	0	P00900	WELL-DEPTH	P72008	2333	0.25008	0.0001	
HARDNESS	300	P00900	ANTIMONY	P01095	30	0.3671	0.046	4
HARDNESS	300	P00900	CONDUCTANCE	P00095	623	0.72968	0.0001	4
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	619	0.93641	0.0001	4
HARDNESS	300	P00900	IRON	P01045	246	0.33668	0.0001	4
HARDNESS	300	P00900	SULFATE	P00945	671	0.88623	0.0001	4
IRON	0	P01046	DISSOLVED-OXYGE	P00300	1058	-0.20262	0.0001	4
IRON	0	P01045	DISSOLVED-SOLID	P70301	337	0.12223	0.0248	4
IRON	0	P01045	MANGANESE	P01055	180	0.38638	0.0001	4
IRON	0	P01045	MANGANESE	P01056	6	0.86924	0.0245	4
IRON	0	P01046	MANGANESE	P01056	1658	0.32338	0.0001	4
IRON	0	P01045	MERCURY	P71900	179	0.28193	0.0001	4
IRON	0	P01045	NICKEL	P01067	106	0.61442	0.0001	4
IRON	0	P01046	NICKEL	P01065	505	0.15216	0.0006	4
IRON	0	P01046	NICKEL	P01067	3	-0.99997	0.0052	4
IRON	0	P01045	PH	P00400	475	-0.21615	0.0001	4
IRON	0	P01045	SELENIUM	P01147	178	0.23013	0.002	4
IRON	0	P01045	TURBIDITY	P00076	55	0.26825	0.0477	4
IRON	0	P01046	TURBIDITY	P00076	460	0.10132	0.0298	4
IRON	0	P01045	WELL-DEPTH	P72008	450	-0.17922	0.0001	4
IRON	0	P01046	WELL-DEPTH	P72008	1341	-0.06111	0.0252	4
IRON	300	P01045	ANTIMONY	P01097	70	0.56847	0.0001	4
IRON	300	P01045	ARSENIC	P01002	143	0.28378	0.0006	4
IRON	300	P01045	BARIUM	P01005	24	0.92188	0.0001	4
IRON	300	P01045	BARIUM	P01007	136	0.54313	0.0001	4
IRON	300	P01045	BERYLLIUM	P01012	70	0.61417	0.0001	
IRON	300	P01045	CADMIUM	P01027	143	0.26044	0.0017	4
IRON	300	P01046	CADMIUM	P01025	152	0.41013	0.0001	4
IRON	300	P01045	CHROMIUM	P01034	143	0.68602	0.0001	4
IRON	300	P01045	CYANIDE	P00720	89	0.63002	0.0001	4
IRON	300	P01045	MANGANESE	P01055	139	0.39359	0.0001	4
IRON	300	P01046	MANGANESE	P01056	409	0.2735	0.0001	4
IRON	300	P01045	MERCURY	P71900	141	0.28684	0.0006	4
IRON	300	P01045	NICKEL	P01067	80	0.61048	0.0001	4
IRON	300	P01045	PH	P00400	200	-0.18684	0.0081	4
IRON	300	P01045	SELENIUM	P01147	139	0.23355	0.0057	4
IRON	300	P01045	TURBIDITY	P00076	24	0.53657	0.0069	4
IRON	300	P01046	TURBIDITY	P00076	71	0.53212	0.0001	4
IRON	300	P01045	WELL-DEPTH	P72008	203	-0.14566	0.0381	4
IRON	300	P01046	WELL-DEPTH	P72008	320	-0.16462	0.0031	4
IRON	2500	P01045	BARIUM	P01007	62	0.49358	0.0001	4
IRON	2500	P01046	CADMIUM	P01025	61	0.58567	0.0001	4
IRON	2500	P01045	CHROMIUM	P01034	65	0.64632	0.0001	4
IRON	2500	P01045	MANGANESE	P01055	62	0.30704	0.0152	4
IRON	2500	P01046	MANGANESE	P01056	139	0.2117	0.0124	4
IRON	2500	P01045	NICKEL	P01067	22	0.46363	0.0298	4
IRON	2500	P01046	SULFATE	P00945	141	0.22635	0.007	4
IRON	2500	P01046	TURBIDITY	P00076	28	0.53457	0.0034	4
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	1046	-0.13693	0.0001	4
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	66	-0.42806	0.0003	4
MANGANESE	0	P01055	HARDNESS	P00900	74	-0.46664	0.0001	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01055	MERCURY	P71900	175	0.19336	0.0104	4
MANGANESE	0	P01055	NICKEL	P01067	102	0.60139	0.0001	4
MANGANESE	0	P01056	NICKEL	P01065	452	0.20835	0.0001	4
MANGANESE	0	P01055	SELENIUM	P01147	178	0.25004	0.0008	4
MANGANESE	0	P01056	TURBIDITY	P00076	407	0.10116	0.0414	4
MANGANESE	0	P01056	WELL-DEPTH	P72008	1202	-0.0919	0.0014	4
MANGANESE	50	P01055	BARIUM	P01007	90	0.23245	0.0275	4
MANGANESE	50	P01056	BARIUM	P01005	110	0.24359	0.0103	4
MANGANESE	50	P01056	CADMIUM	P01025	116	0.30308	0.0009	4
MANGANESE	50	P01056	CHROMIUM	P01030	116	-0.26213	0.0045	4
MANGANESE	50	P01055	CONDUCTANCE	P00095	90	0.3245	0.0018	4
MANGANESE	50	P01055	CYANIDE	P00720	26	0.42687	0.0296	4
MANGANESE	50	P01056	DEPTH-BELOW-LAN	P72019	130	-0.173	0.049	4
MANGANESE	50	P01055	HARDNESS	P00900	9	0.9776	0.0001	4
MANGANESE	50	P01055	IRON	P01045	93	0.32889	0.0013	4
MANGANESE	50	P01056	IRON	P01046	395	0.25665	0.0001	4
MANGANESE	50	P01055	NICKEL	P01067	36	0.45294	0.0055	4
MANGANESE	50	P01056	PH	P00400	338	0.12175	0.0252	4
MANGANESE	50	P01055	THALLIUM	P01059	27	0.43451	0.0235	4
MANGANESE	50	P01056	WELL-DEPTH	P72008	259	-0.13301	0.0324	4
MERCURY	0	P71900	CONDUCTANCE	P00095	241	-0.40095	0.0001	4
MERCURY	0	P71900	DEPTH-BELOW-LAN	P72019	216	0.356	0.0001	4
MERCURY	0	P71900	DISSOLVED-OXYGE	P00300	19	-0.71349	0.0006	4
MERCURY	0	P71900	NICKEL	P01067	175	0.87077	0.0001	4
MERCURY	0	P71900	NITRITE	P00615	129	0.5193	0.0001	4
MERCURY	0	P71900	PH	P00400	225	-0.57649	0.0001	4
MERCURY	0	P71900	SELENIUM	P01147	247	0.8245	0.0001	4
MERCURY	0	P71900	THALLIUM	P01059	89	0.9524	0.0001	4
MERCURY	0	P71900	WELL-DEPTH	P72008	235	-0.19836	0.0023	4
NICKEL	0	P01065	CONDUCTANCE	P00095	501	-0.09385	0.0357	4
NICKEL	0	P01067	CONDUCTANCE	P00095	167	-0.22025	0.0042	4
NICKEL	0	P01067	DEPTH-BELOW-LAN	P72019	152	0.27116	0.0007	4
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	241	-0.23329	0.0003	4
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	19	-0.71963	0.0005	4
NICKEL	0	P01065	HARDNESS	P00900	505	0.18724	0.0001	4
NICKEL	0	P01067	HARDNESS	P00900	145	-0.18402	0.0267	4
NICKEL	0	P01067	PH	P00400	148	-0.58246	0.0001	4
NICKEL	0	P01067	SELENIUM	P01147	173	0.88472	0.0001	4
NICKEL	0	P01067	THALLIUM	P01059	92	0.23981	0.0213	4
NICKEL	0	P01065	TURBIDITY	P00076	243	0.19621	0.0021	4
NICKEL	0	P01065	WELL-DEPTH	P72008	415	-0.14816	0.0025	4
NICKEL	100	P01067	ANTIMONY	P01097	20	0.92673	0.0001	4
NICKEL	100	P01067	ARSENIC	P01002	20	0.92673	0.0001	4
NICKEL	100	P01067	BERYLLIUM	P01012	20	0.92673	0.0001	4
NICKEL	100	P01067	CADMIUM	P01027	20	0.92673	0.0001	4
NICKEL	100	P01067	MERCURY	P71900	20	0.92673	0.0001	4
NICKEL	100	P01067	SELENIUM	P01147	20	0.92673	0.0001	4
NITRATE	0	P00618	ANTIMONY	P01095	15	0.57933	0.0236	4
NITRATE	0	P00618	BERYLLIUM	P01010	20	0.59891	0.0053	4
NITRATE	0	P00618	CADMIUM	P01025	21	0.5968	0.0043	4
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	444	-0.20111	0.0001	4

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	PH	P00400	570	-0.22268	0.0001	
NITRATE	0	P00618	SELENIUM	P01145	19	0.50794	0.0264	4
NITRATE	8	P00618	CONDUCTANCE	P00095	92	0.78508	0.0001	4
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	83	-0.49018	0.0001	4
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	38	0.37314	0.021	4
NITRATE	8	P00618	MANGANESE	P01056	42	0.39577	0.0095	4
NITRATE	8	P00618	PH	P00400	92	0.32444	0.0016	4
NITRATE	10	P00618	CONDUCTANCE	P00095	63	0.77543	0.0001	4
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	59	-0.56221	0.0001	4
NITRATE	10	P00618	MANGANESE	P01056	27	0.39358	0.0422	4
NITRATE	10	P00618	PH	P00400	63	0.30008	0.0169	4
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	1131	-0.07595	0.0106	4
NITRITE	0	P00613	HARDNESS	P00900	1268	0.07569	0.007	4
NITRITE	0	P00615	PH	P00400	321	-0.18068	0.0011	4
PH	0	P00400	ALKALINITY	P39036	6	0.83949	0.0366	4
PH	0	P00400	CONDUCTANCE	P00095	5252	0.17653	0.0001	4
PH	0	P00400	DISSOLVED-OXYGE	P00300	2911	0.1547	0.0001	4
RADIUM-226	0	P09511	PH	P00400	10	-0.75164	0.0122	4
RADIUM-226	0	P76001	PH	P00400	10	-0.70803	0.022	4
RADON	0	P76002	CONDUCTANCE	P00095	404	-0.11059	0.0262	4
RADON	0	P76002	DEPTH-BELOW-LAN	P72019	218	-0.27572	0.0001	4
RADON	0	P76002	DISSOLVED-SOLID	P70301	322	-0.11437	0.0403	4
RADON	0	P76002	HARDNESS	P00900	359	-0.10415	0.0486	4
RADON	0	P76002	NICKEL	P01065	191	0.23965	0.0008	4
RADON	0	P82303	NICKEL	P01065	192	0.16959	0.0187	4
RADON	0	P76002	NITRATE	P00618	59	0.33459	0.0096	
RADON	0	P82303	NITRATE	P00618	58	0.27881	0.0341	4
RADON	0	P76002	PH	P00400	397	-0.2986	0.0001	4
RADON	0	P82303	PH	P00400	396	-0.14512	0.0038	4
RADON	0	P76002	WELL-DEPTH	P72008	344	-0.24356	0.0001	4
RADON	100	P76002	CONDUCTANCE	P00095	4	0.97304	0.027	4
RADON	100	P76002	DISSOLVED-SOLID	P70301	4	0.98722	0.0128	4
RADON	100	P82303	NICKEL	P01065	169	0.16275	0.0345	4
RADON	100	P82303	NITRATE	P00618	54	0.26984	0.0485	4
RADON	100	P82303	PH	P00400	346	-0.1201	0.0255	4
RADON	100	P76002	SULFATE	P00945	4	0.9791	0.0209	4
SELENIUM	0	P01147	CONDUCTANCE	P00095	258	-0.34081	0.0001	4
SELENIUM	0	P01147	DEPTH-BELOW-LAN	P72019	216	0.45123	0.0001	4
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	19	-0.71349	0.0006	4
SELENIUM	0	P01145	HARDNESS	P00900	476	0.1455	0.0015	4
SELENIUM	0	P01147	PH	P00400	242	-0.53481	0.0001	4
SELENIUM	0	P01147	THALLIUM	P01059	92	0.42283	0.0001	4
SULFATE	0	P00945	ALKALINITY	P39036	6	0.82248	0.0445	4
SULFATE	0	P00945	ANTIMONY	P01095	303	0.39446	0.0001	4
SULFATE	0	P00945	CADMIUM	P01025	453	0.25956	0.0001	4
SULFATE	0	P00945	CHROMIUM	P01030	507	0.28812	0.0001	4
SULFATE	0	P00945	CONDUCTANCE	P00095	3196	0.42387	0.0001	4
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	2455	0.76768	0.0001	4
SULFATE	0	P00945	HARDNESS	P00900	2918	0.8942	0.0001	4
SULFATE	0	P00945	NICKEL	P01065	475	0.16417	0.0003	4
SULFATE	0	P00945	NITRATE	P00618	217	0.16457	0.0152	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	PH	P00400	2754	0.13264	0.0001	4
SULFATE	0	P00945	SELENIUM	P01145	475	0.19169	0.0001	4
SULFATE	0	P00945	WELL-DEPTH	P72008	2634	0.26469	0.0001	4
SULFATE	25	P00945	ANTIMONY	P01095	87	0.2159	0.0446	4
SULFATE	25	P00945	ARSENIC	P01000	111	0.47294	0.0001	4
SULFATE	25	P00945	BARIUM	P01007	35	0.45558	0.006	4
SULFATE	25	P00945	BERYLLIUM	P01012	60	-0.28727	0.026	4
SULFATE	25	P00945	CHROMIUM	P01030	112	0.21109	0.0255	4
SULFATE	25	P00945	CONDUCTANCE	P00095	1284	0.51471	0.0001	4
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1000	0.81129	0.0001	4
SULFATE	25	P00945	HARDNESS	P00900	1071	0.9079	0.0001	4
SULFATE	25	P00945	IRON	P01045	260	0.12694	0.0408	4
SULFATE	25	P00945	NITRATE	P00618	48	-0.30236	0.0367	4
SULFATE	25	P00945	PH	P00400	956	0.15916	0.0001	4
SULFATE	25	P00945	WELL-DEPTH	P72008	1072	0.18461	0.0001	4
SULFATE	120	P00945	ARSENIC	P01000	28	0.41489	0.0281	4
SULFATE	120	P00945	ARSENIC	P01002	33	-0.34823	0.047	4
SULFATE	120	P00945	BARIUM	P01007	19	-0.73026	0.0004	4
SULFATE	120	P00945	CONDUCTANCE	P00095	645	0.45544	0.0001	4
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	56	-0.27973	0.0368	4
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	490	0.81201	0.0001	4
SULFATE	120	P00945	HARDNESS	P00900	511	0.90554	0.0001	4
SULFATE	120	P00945	IRON	P01045	144	0.29868	0.0003	4
SULFATE	120	P00945	MANGANESE	P01056	113	-0.19081	0.0429	4
SULFATE	150	P00945	BARIUM	P01007	14	-0.67482	0.0081	4
SULFATE	150	P00945	CONDUCTANCE	P00095	506	0.43078	0.0001	4
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	372	0.81009	0.0001	4
SULFATE	150	P00945	HARDNESS	P00900	388	0.90385	0.0001	4
SULFATE	150	P00945	IRON	P01045	88	0.57516	0.0001	4
SULFATE	150	P00945	MANGANESE	P01056	96	-0.21365	0.0366	4
SULFATE	250	P00945	CONDUCTANCE	P00095	284	0.38672	0.0001	4
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	167	0.81784	0.0001	4
SULFATE	250	P00945	HARDNESS	P00900	178	0.89793	0.0001	4
SULFATE	250	P00945	IRON	P01045	32	0.45833	0.0083	4
SULFATE	250	P00945	NICKEL	P01065	10	0.7128	0.0207	4
SULFATE	250	P00945	WELL-DEPTH	P72008	229	0.25052	0.0001	4
SULFATE	500	P00945	BERYLLIUM	P01010	5	0.97904	0.0036	4
SULFATE	500	P00945	CONDUCTANCE	P00095	193	0.39752	0.0001	4
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	99	0.86073	0.0001	4
SULFATE	500	P00945	HARDNESS	P00900	105	0.92131	0.0001	4
SULFATE	500	P00945	WELL-DEPTH	P72008	148	0.25529	0.0017	4
THALLIUM	0	P01057	CONDUCTANCE	P00095	112	-0.18971	0.0451	4
THALLIUM	0	P01059	CONDUCTANCE	P00095	92	0.30442	0.0032	4
THALLIUM	0	P01059	DEPTH-BELOW-LAN	P72019	85	0.34263	0.0013	4
THALLIUM	0	P01059	PH	P00400	88	-0.75135	0.0001	4
THALLIUM	0	P01059	WELL-DEPTH	P72008	90	0.50123	0.0001	4
THALLIUM	2	P01059	ANTIMONY	P01097	57	0.51961	0.0001	4
THALLIUM	2	P01059	CADMIUM	P01027	57	0.61747	0.0001	4
THALLIUM	2	P01057	CONDUCTANCE	P00095	112	-0.18971	0.0451	4
THALLIUM	2	P01059	CONDUCTANCE	P00095	57	0.46243	0.0003	4
THALLIUM	2	P01059	CYANIDE	P00720	56	1	0.0001	4

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
THALLIUM	2	P01059	DEPTH-BELOW-LAN	P72019	52	0.33983	0.0137	[illegible]
THALLIUM	2	P01059	MERCURY	P71900	56	1	0.0001	4
THALLIUM	2	P01059	PH	P00400	55	-0.75969	0.0001	4
THALLIUM	2	P01059	SELENIUM	P01147	57	0.39595	0.0023	4
THALLIUM	2	P01059	WELL-DEPTH	P72008	55	0.92079	0.0001	4
WELL-DEPTH	0	P72008	PH	P00400	3532	0.5431	0.0001	4
ALKALINITY	0	P39036	CONDUCTANCE	P00095	25	0.57796	0.0025	5
ANTIMONY	0	P01095	BARIUM	P01005	375	-0.1751	0.0007	5
ANTIMONY	0	P01095	BERYLLIUM	P01010	375	0.23136	0.0001	5
ANTIMONY	0	P01095	CADMIUM	P01025	375	0.762	0.0001	5
ANTIMONY	0	P01095	CHROMIUM	P01030	375	0.85441	0.0001	5
ANTIMONY	0	P01095	CONDUCTANCE	P00095	302	0.17409	0.0024	5
ANTIMONY	0	P01095	CYANIDE	P00723	122	-0.31562	0.0004	5
ANTIMONY	0	P01095	DEPTH-BELOW-LAN	P72019	137	0.20605	0.0157	5
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	291	0.1192	0.0422	5
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	267	0.76444	0.0001	5
ANTIMONY	0	P01095	HARDNESS	P00900	247	0.81124	0.0001	5
ANTIMONY	0	P01095	IRON	P01045	112	-0.54247	0.0001	5
ANTIMONY	0	P01095	IRON	P01046	251	0.65062	0.0001	5
ANTIMONY	0	P01095	MANGANESE	P01055	113	-0.50832	0.0001	5
ANTIMONY	0	P01095	MANGANESE	P01056	306	0.19281	0.0007	5
ANTIMONY	0	P01095	MERCURY	P71890	160	0.24356	0.0019	5
ANTIMONY	0	P01095	NICKEL	P01065	375	0.30135	0.0001	5
ANTIMONY	0	P01095	PH	P00400	363	-0.14003	0.0075	5
ANTIMONY	0	P01095	SELENIUM	P01145	375	0.76114	0.0001	5
ANTIMONY	0	P01095	THALLIUM	P01057	108	0.30966	0.0011	[illegible]
ANTIMONY	6	P01095	CADMIUM	P01025	182	0.65065	0.0001	5
ANTIMONY	6	P01095	CHROMIUM	P01030	182	0.85146	0.0001	5
ANTIMONY	6	P01095	CONDUCTANCE	P00095	112	-0.74609	0.0001	5
ANTIMONY	6	P01095	CYANIDE	P00723	121	-0.32047	0.0003	5
ANTIMONY	6	P01095	DEPTH-BELOW-LAN	P72019	61	0.32061	0.0118	5
ANTIMONY	6	P01095	DISSOLVED-OXYGE	P00300	154	0.41942	0.0001	5
ANTIMONY	6	P01095	DISSOLVED-SOLID	P70301	114	0.69928	0.0001	5
ANTIMONY	6	P01095	HARDNESS	P00900	60	-0.3718	0.0034	5
ANTIMONY	6	P01095	IRON	P01045	112	-0.54247	0.0001	5
ANTIMONY	6	P01095	MANGANESE	P01055	113	-0.50832	0.0001	5
ANTIMONY	6	P01095	MANGANESE	P01056	113	-0.53492	0.0001	5
ANTIMONY	6	P01095	MERCURY	P71890	160	0.24356	0.0019	5
ANTIMONY	6	P01095	SELENIUM	P01145	182	0.66629	0.0001	5
ANTIMONY	6	P01095	SULFATE	P00945	130	0.76022	0.0001	5
ANTIMONY	6	P01095	THALLIUM	P01057	108	0.30966	0.0011	5
ANTIMONY	6	P01095	WELL-DEPTH	P72008	136	0.4525	0.0001	5
ARSENIC	0	P01000	BARIUM	P01005	488	0.59179	0.0001	5
ARSENIC	0	P01002	BERYLLIUM	P01012	97	0.53418	0.0001	5
ARSENIC	0	P01002	CADMIUM	P01027	107	0.44404	0.0001	5
ARSENIC	0	P01000	CHROMIUM	P01034	101	0.26355	0.0077	5
ARSENIC	0	P01002	CHROMIUM	P01030	97	0.47359	0.0001	5
ARSENIC	0	P01002	CHROMIUM	P01034	146	0.55155	0.0001	5
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	330	-0.13941	0.0112	5
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	55	-0.44892	0.0006	5
ARSENIC	0	P01000	HARDNESS	P00900	401	-0.11255	0.0242	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01002	HARDNESS	P00900	60	-0.31904	0.013	5
ARSENIC	0	P01000	IRON	P01045	122	-0.26009	0.0038	5
ARSENIC	0	P01000	IRON	P01047	77	0.618	0.0001	5
ARSENIC	0	P01002	IRON	P01045	109	0.58912	0.0001	5
ARSENIC	0	P01000	MANGANESE	P01055	123	-0.23488	0.0089	5
ARSENIC	0	P01002	MANGANESE	P01055	108	0.53664	0.0001	5
ARSENIC	0	P01002	MERCURY	P71900	109	0.27413	0.0039	5
ARSENIC	0	P01000	NICKEL	P01065	376	-0.11845	0.0216	5
ARSENIC	0	P01002	NICKEL	P01067	97	0.52442	0.0001	5
ARSENIC	0	P01000	RADON	P82303	164	-0.15386	0.0492	5
ARSENIC	0	P01002	SELENIUM	P01147	107	0.25823	0.0072	5
ARSENIC	0	P01002	SULFATE	P00945	89	-0.27704	0.0086	5
ARSENIC	0	P01000	WELL-DEPTH	P72008	514	0.17583	0.0001	5
ARSENIC	2	P01000	ANTIMONY	P01095	199	-0.22153	0.0017	5
ARSENIC	2	P01000	BARIUM	P01005	237	0.58632	0.0001	5
ARSENIC	2	P01002	BARIUM	P01007	73	0.55235	0.0001	5
ARSENIC	2	P01002	BERYLLIUM	P01012	63	0.41439	0.0007	5
ARSENIC	2	P01000	CADMIUM	P01025	216	-0.22466	0.0009	5
ARSENIC	2	P01002	CADMIUM	P01027	73	0.4498	0.0001	5
ARSENIC	2	P01000	CHROMIUM	P01030	218	-0.19881	0.0032	5
ARSENIC	2	P01002	CHROMIUM	P01034	75	0.45203	0.0001	5
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	185	-0.17626	0.0164	5
ARSENIC	2	P01000	IRON	P01047	9	0.75403	0.0189	5
ARSENIC	2	P01002	IRON	P01045	74	0.59001	0.0001	5
ARSENIC	2	P01002	MANGANESE	P01055	73	0.52597	0.0001	5
ARSENIC	2	P01002	NICKEL	P01067	63	0.49733	0.0001	5
ARSENIC	2	P01000	SELENIUM	P01145	212	-0.15017	0.0288	5
ARSENIC	2	P01000	WELL-DEPTH	P72008	231	0.31536	0.0001	5
ARSENIC	5	P01000	ANTIMONY	P01095	118	-0.55757	0.0001	5
ARSENIC	5	P01000	BARIUM	P01005	149	0.56945	0.0001	5
ARSENIC	5	P01002	BARIUM	P01007	65	0.67622	0.0001	5
ARSENIC	5	P01002	BERYLLIUM	P01012	55	0.36255	0.0065	5
ARSENIC	5	P01000	CADMIUM	P01025	128	-0.53309	0.0001	5
ARSENIC	5	P01002	CADMIUM	P01027	65	0.44952	0.0002	5
ARSENIC	5	P01000	CHROMIUM	P01030	128	-0.55589	0.0001	5
ARSENIC	5	P01002	CHROMIUM	P01034	65	0.42737	0.0004	5
ARSENIC	5	P01000	CYANIDE	P00723	68	0.56187	0.0001	5
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	116	-0.33523	0.0002	5
ARSENIC	5	P01002	IRON	P01045	65	0.58729	0.0001	5
ARSENIC	5	P01002	MANGANESE	P01055	65	0.52145	0.0001	5
ARSENIC	5	P01000	NICKEL	P01065	118	-0.19077	0.0385	5
ARSENIC	5	P01002	NICKEL	P01067	55	0.47691	0.0002	5
ARSENIC	5	P01000	SELENIUM	P01145	130	-0.29025	0.0008	5
ARSENIC	5	P01002	SELENIUM	P01147	65	-0.50998	0.0001	5
ARSENIC	5	P01000	WELL-DEPTH	P72008	143	0.23643	0.0045	5
ARSENIC	10	P01000	BARIUM	P01005	54	0.50566	0.0001	5
ARSENIC	10	P01002	BARIUM	P01007	13	0.66017	0.0141	5
BARIUM	0	P01005	CONDUCTANCE	P00095	686	-0.10189	0.0076	5
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	540	-0.11177	0.0093	5
BARIUM	0	P01005	HARDNESS	P00900	632	-0.17978	0.0001	5
BARIUM	0	P01005	IRON	P01045	122	-0.58973	0.0001	5

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	IRON	P01046	657	-0.11622	0.0029	[illegible]
BARIUM	0	P01005	IRON	P01047	61	-0.31679	0.0129	5
BARIUM	0	P01005	MANGANESE	P01055	123	-0.55454	0.0001	5
BARIUM	0	P01005	MANGANESE	P01056	722	-0.11391	0.0022	5
BARIUM	0	P01005	MERCURY	P71890	252	0.26131	0.0001	5
BARIUM	0	P01005	NICKEL	P01065	414	-0.187	0.0001	5
BARIUM	0	P01005	PH	P00400	761	0.14863	0.0001	5
BARIUM	0	P01005	WELL-DEPTH	P72008	738	0.15314	0.0001	5
BARIUM	0	P01007	WELL-DEPTH	P72008	104	0.25703	0.0084	5
BERYLLIUM	0	P01010	CADMIUM	P01025	746	0.2846	0.0001	5
BERYLLIUM	0	P01012	CADMIUM	P01027	97	0.80039	0.0001	5
BERYLLIUM	0	P01010	CHROMIUM	P01030	503	0.08881	0.0465	5
BERYLLIUM	0	P01012	CHROMIUM	P01034	97	0.94702	0.0001	5
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	658	0.48182	0.0001	5
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	596	0.60203	0.0001	5
BERYLLIUM	0	P01010	HARDNESS	P00900	618	0.55868	0.0001	5
BERYLLIUM	0	P01010	IRON	P01045	112	0.79573	0.0001	5
BERYLLIUM	0	P01010	IRON	P01046	622	0.78809	0.0001	5
BERYLLIUM	0	P01010	IRON	P01047	61	0.71974	0.0001	5
BERYLLIUM	0	P01012	IRON	P01045	97	0.82912	0.0001	5
BERYLLIUM	0	P01010	MANGANESE	P01055	113	0.859	0.0001	5
BERYLLIUM	0	P01010	MANGANESE	P01056	677	0.83459	0.0001	5
BERYLLIUM	0	P01012	MANGANESE	P01055	96	0.82194	0.0001	5
BERYLLIUM	0	P01012	MERCURY	P71900	97	0.82594	0.0001	5
BERYLLIUM	0	P01010	NICKEL	P01065	404	0.76649	0.0001	5
BERYLLIUM	0	P01012	NICKEL	P01067	97	0.91536	0.0001	[illegible]
BERYLLIUM	0	P01010	PH	P00400	726	-0.23744	0.0001	5
BERYLLIUM	0	P01012	PH	P00400	96	0.25686	0.0115	5
BERYLLIUM	0	P01012	SELENIUM	P01147	97	0.60273	0.0001	5
BERYLLIUM	0	P01010	THALLIUM	P01057	108	0.23807	0.0131	5
BERYLLIUM	0	P01010	WELL-DEPTH	P72008	693	0.34575	0.0001	5
BERYLLIUM	0	P01012	WELL-DEPTH	P72008	94	-0.27584	0.0071	5
BERYLLIUM	4	P01010	ARSENIC	P01000	24	0.42107	0.0405	5
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	25	0.49578	0.0117	5
BERYLLIUM	4	P01010	IRON	P01045	23	0.82141	0.0001	5
BERYLLIUM	4	P01010	IRON	P01046	31	0.64431	0.0001	5
BERYLLIUM	4	P01010	IRON	P01047	24	0.65285	0.0005	5
BERYLLIUM	4	P01010	MANGANESE	P01055	24	0.88209	0.0001	5
BERYLLIUM	4	P01010	MANGANESE	P01056	31	0.74081	0.0001	5
BERYLLIUM	4	P01010	NICKEL	P01065	24	0.7572	0.0001	5
BERYLLIUM	4	P01010	SULFATE	P00945	31	0.4222	0.018	5
CADMIUM	0	P01025	CHROMIUM	P01030	514	0.75032	0.0001	5
CADMIUM	0	P01027	CHROMIUM	P01034	107	0.87205	0.0001	5
CADMIUM	0	P01025	CONDUCTANCE	P00095	669	0.20507	0.0001	5
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	518	0.21325	0.0001	5
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	597	0.28968	0.0001	5
CADMIUM	0	P01025	HARDNESS	P00900	619	0.32218	0.0001	5
CADMIUM	0	P01025	IRON	P01046	623	0.37888	0.0001	5
CADMIUM	0	P01025	IRON	P01047	61	0.45264	0.0002	5
CADMIUM	0	P01027	IRON	P01045	107	0.83784	0.0001	5
CADMIUM	0	P01025	MANGANESE	P01056	688	0.22677	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	0	P01027	MANGANESE	P01055	106	0.81484	0.0001	5
CADMIUM	0	P01025	MERCURY	P71890	253	0.31829	0.0001	5
CADMIUM	0	P01027	MERCURY	P71900	107	0.49021	0.0001	5
CADMIUM	0	P01025	NICKEL	P01065	405	0.24802	0.0001	5
CADMIUM	0	P01027	NICKEL	P01067	97	0.87577	0.0001	5
CADMIUM	0	P01025	SELENIUM	P01145	402	0.46755	0.0001	5
CADMIUM	0	P01025	THALLIUM	P01057	108	0.31285	0.001	5
CADMIUM	5	P01025	ANTIMONY	P01095	61	-0.70222	0.0001	5
CADMIUM	5	P01027	ARSENIC	P01002	107	0.44404	0.0001	5
CADMIUM	5	P01025	BARIUM	P01005	73	-0.42107	0.0002	5
CADMIUM	5	P01025	BERYLLIUM	P01010	63	0.61419	0.0001	5
CADMIUM	5	P01027	BERYLLIUM	P01012	97	0.80039	0.0001	5
CADMIUM	5	P01025	CHROMIUM	P01030	71	-0.67954	0.0001	5
CADMIUM	5	P01027	CHROMIUM	P01034	107	0.87205	0.0001	5
CADMIUM	5	P01025	CONDUCTANCE	P00095	72	0.64014	0.0001	5
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	67	-0.29649	0.0148	5
CADMIUM	5	P01025	IRON	P01045	71	0.76749	0.0001	5
CADMIUM	5	P01027	IRON	P01045	107	0.83784	0.0001	5
CADMIUM	5	P01025	MANGANESE	P01055	71	0.78219	0.0001	5
CADMIUM	5	P01025	MANGANESE	P01056	73	0.61366	0.0001	5
CADMIUM	5	P01027	MANGANESE	P01055	106	0.81484	0.0001	5
CADMIUM	5	P01027	MERCURY	P71900	107	0.49021	0.0001	5
CADMIUM	5	P01025	NICKEL	P01065	61	0.74383	0.0001	5
CADMIUM	5	P01027	NICKEL	P01067	97	0.87577	0.0001	5
CADMIUM	5	P01025	PH	P00400	72	-0.29268	0.0126	5
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	325	0.26755	0.0001	5
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	407	0.15761	0.0014	5
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	36	0.60169	0.0001	5
CHROMIUM	0	P01030	HARDNESS	P00900	422	0.34978	0.0001	5
CHROMIUM	0	P01034	HARDNESS	P00900	39	0.70544	0.0001	5
CHROMIUM	0	P01030	IRON	P01045	122	-0.51857	0.0001	5
CHROMIUM	0	P01030	IRON	P01046	426	0.2524	0.0001	5
CHROMIUM	0	P01034	IRON	P01045	107	0.92057	0.0001	5
CHROMIUM	0	P01030	MANGANESE	P01055	123	-0.48379	0.0001	5
CHROMIUM	0	P01034	MANGANESE	P01055	106	0.90646	0.0001	5
CHROMIUM	0	P01030	MERCURY	P71890	256	0.35374	0.0001	5
CHROMIUM	0	P01034	MERCURY	P71900	107	0.55285	0.0001	5
CHROMIUM	0	P01034	NICKEL	P01067	97	0.96831	0.0001	5
CHROMIUM	0	P01030	SELENIUM	P01145	402	0.57486	0.0001	5
CHROMIUM	0	P01034	SELENIUM	P01147	107	0.37201	0.0001	5
CHROMIUM	0	P01030	THALLIUM	P01057	108	0.30889	0.0011	5
CYANIDE	0	P00723	NICKEL	P01065	122	-0.24542	0.0064	5
CYANIDE	0	P00723	SELENIUM	P01145	122	-0.29238	0.0011	5
CYANIDE	0	P00720	WELL-DEPTH	P72008	45	0.32466	0.0296	5
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	2326	-0.06429	0.0019	5
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	269	0.13819	0.0234	5
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	25	0.6618	0.0003	5
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	1272	0.85607	0.0001	5
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	1066	-0.12948	0.0001	5
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	1388	0.87556	0.0001	5
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	1321	0.56192	0.0001	5

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	118	0.78986	0.0001	[illegible]
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	330	0.61104	0.0001	5
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	330	0.26023	0.0001	5
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	424	0.78823	0.0001	5
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	368	-0.10687	0.0405	5
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	463	0.84488	0.0001	5
DISSOLVED-SOLID	500	P70301	IRON	P01045	73	0.91388	0.0001	5
DISSOLVED-SOLID	500	P70301	IRON	P01046	451	0.55369	0.0001	5
DISSOLVED-SOLID	500	P70301	IRON	P01047	60	0.82715	0.0001	5
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	74	0.8768	0.0001	5
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	451	0.547	0.0001	5
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	118	0.90453	0.0001	5
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	128	0.55746	0.0001	5
DISSOLVED-SOLID	500	P70301	PH	P00400	464	-0.26125	0.0001	5
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	499	0.75784	0.0001	5
DISSOLVED-SOLID	500	P70301	THALLIUM	P01057	30	0.48765	0.0063	5
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	437	0.74158	0.0001	5
HARDNESS	0	P00900	ALKALINITY	P39036	25	0.85859	0.0001	5
HARDNESS	0	P00900	CONDUCTANCE	P00095	1460	0.82982	0.0001	5
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	1144	-0.20022	0.0001	5
HARDNESS	0	P00900	PH	P00400	1477	-0.07631	0.0033	5
HARDNESS	0	P00900	WELL-DEPTH	P72008	1437	0.40763	0.0001	5
HARDNESS	300	P00900	ALKALINITY	P39036	21	0.7852	0.0001	5
HARDNESS	300	P00900	ANTIMONY	P01095	180	0.87963	0.0001	5
HARDNESS	300	P00900	BARIUM	P01005	482	-0.23849	0.0001	[illegible]
HARDNESS	300	P00900	BERYLLIUM	P01010	480	0.57306	0.0001	[illegible]
HARDNESS	300	P00900	CADMIUM	P01025	481	0.32769	0.0001	5
HARDNESS	300	P00900	CHROMIUM	P01030	291	0.31324	0.0001	5
HARDNESS	300	P00900	CHROMIUM	P01034	35	0.76228	0.0001	5
HARDNESS	300	P00900	CONDUCTANCE	P00095	981	0.83195	0.0001	5
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	769	-0.12099	0.0008	5
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	925	0.89007	0.0001	5
HARDNESS	300	P00900	IRON	P01045	143	0.83389	0.0001	5
HARDNESS	300	P00900	IRON	P01046	999	0.67409	0.0001	5
HARDNESS	300	P00900	IRON	P01047	115	0.76375	0.0001	5
HARDNESS	300	P00900	MANGANESE	P01055	144	0.79199	0.0001	5
HARDNESS	300	P00900	MANGANESE	P01056	999	0.65828	0.0001	5
HARDNESS	300	P00900	NICKEL	P01065	202	0.85064	0.0001	5
HARDNESS	300	P00900	PH	P00400	995	-0.60276	0.0001	5
HARDNESS	300	P00900	SELENIUM	P01145	192	0.24336	0.0007	5
HARDNESS	300	P00900	SULFATE	P00945	1023	0.92344	0.0001	5
HARDNESS	300	P00900	WELL-DEPTH	P72008	938	0.48361	0.0001	5
IRON	0	P01045	CONDUCTANCE	P00095	223	0.83894	0.0001	5
IRON	0	P01046	CONDUCTANCE	P00095	1321	0.58046	0.0001	5
IRON	0	P01047	CONDUCTANCE	P00095	150	0.61086	0.0001	5
IRON	0	P01045	DISSOLVED-OXYGE	P00300	205	-0.17847	0.0105	5
IRON	0	P01046	DISSOLVED-OXYGE	P00300	1015	-0.09466	0.0025	5
IRON	0	P01045	DISSOLVED-SOLID	P70301	146	0.91804	0.0001	5
IRON	0	P01046	DISSOLVED-SOLID	P70301	1265	0.56261	0.0001	5
IRON	0	P01047	DISSOLVED-SOLID	P70301	111	0.85184	0.0001	5
IRON	0	P01045	HARDNESS	P00900	163	0.83535	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	0	P01046	HARDNESS	P00900	1414	0.63929	0.0001	5
IRON	0	P01047	HARDNESS	P00900	129	0.76987	0.0001	5
IRON	0	P01045	MANGANESE	P01055	273	0.97609	0.0001	5
IRON	0	P01045	MANGANESE	P01056	224	0.96522	0.0001	5
IRON	0	P01046	MANGANESE	P01055	165	0.97371	0.0001	5
IRON	0	P01046	MANGANESE	P01056	1440	0.97458	0.0001	5
IRON	0	P01047	MANGANESE	P01055	116	0.91176	0.0001	5
IRON	0	P01047	MANGANESE	P01056	130	0.92061	0.0001	5
IRON	0	P01045	MERCURY	P71890	100	-0.21371	0.0328	5
IRON	0	P01045	MERCURY	P71900	109	0.45368	0.0001	5
IRON	0	P01045	NICKEL	P01065	112	0.92822	0.0001	5
IRON	0	P01045	NICKEL	P01067	97	0.9348	0.0001	5
IRON	0	P01046	NICKEL	P01065	291	0.94808	0.0001	5
IRON	0	P01047	NICKEL	P01065	61	0.77646	0.0001	5
IRON	0	P01045	PH	P00400	268	-0.62148	0.0001	5
IRON	0	P01046	PH	P00400	1342	-0.38231	0.0001	5
IRON	0	P01047	PH	P00400	150	-0.59299	0.0001	5
IRON	0	P01045	SELENIUM	P01145	122	-0.24314	0.007	5
IRON	0	P01046	SELENIUM	P01145	281	0.24455	0.0001	5
IRON	0	P01047	SELENIUM	P01145	77	0.42759	0.0001	5
IRON	300	P01045	ANTIMONY	P01095	93	-0.51796	0.0001	5
IRON	300	P01046	ANTIMONY	P01095	148	0.62813	0.0001	5
IRON	300	P01045	ARSENIC	P01000	98	-0.22758	0.0242	5
IRON	300	P01045	ARSENIC	P01002	70	0.58104	0.0001	5
IRON	300	P01046	ARSENIC	P01000	207	-0.14247	0.0406	5
IRON	300	P01047	ARSENIC	P01000	62	0.61157	0.0001	5
IRON	300	P01045	BARIUM	P01005	98	-0.5919	0.0001	5
IRON	300	P01045	BARIUM	P01007	70	0.65064	0.0001	5
IRON	300	P01046	BARIUM	P01005	415	-0.1537	0.0017	5
IRON	300	P01047	BARIUM	P01005	58	-0.31129	0.0174	5
IRON	300	P01045	BERYLLIUM	P01010	93	0.79826	0.0001	5
IRON	300	P01045	BERYLLIUM	P01012	65	0.86922	0.0001	5
IRON	300	P01046	BERYLLIUM	P01010	396	0.79905	0.0001	5
IRON	300	P01047	BERYLLIUM	P01010	58	0.71592	0.0001	5
IRON	300	P01045	CADMIUM	P01027	70	0.83806	0.0001	5
IRON	300	P01046	CADMIUM	P01025	397	0.46327	0.0001	5
IRON	300	P01047	CADMIUM	P01025	58	0.44083	0.0005	5
IRON	300	P01045	CHROMIUM	P01030	98	-0.4946	0.0001	5
IRON	300	P01045	CHROMIUM	P01034	70	0.93687	0.0001	5
IRON	300	P01046	CHROMIUM	P01030	202	0.23835	0.0006	5
IRON	300	P01045	CONDUCTANCE	P00095	161	0.8374	0.0001	5
IRON	300	P01046	CONDUCTANCE	P00095	733	0.71179	0.0001	5
IRON	300	P01047	CONDUCTANCE	P00095	105	0.66932	0.0001	5
IRON	300	P01045	DISSOLVED-SOLID	P70301	107	0.91402	0.0001	5
IRON	300	P01046	DISSOLVED-SOLID	P70301	684	0.65596	0.0001	5
IRON	300	P01047	DISSOLVED-SOLID	P70301	84	0.84486	0.0001	5
IRON	300	P01045	HARDNESS	P00900	122	0.82318	0.0001	5
IRON	300	P01046	HARDNESS	P00900	788	0.6806	0.0001	5
IRON	300	P01047	HARDNESS	P00900	99	0.749	0.0001	5
IRON	300	P01045	MANGANESE	P01055	194	0.9751	0.0001	5
IRON	300	P01045	MANGANESE	P01056	163	0.96364	0.0001	5

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01046	MANGANESE	P01055	114	0.9711	0.0001	[illegible]
IRON	300	P01046	MANGANESE	P01056	803	0.97543	0.0001	5
IRON	300	P01047	MANGANESE	P01055	99	0.90662	0.0001	5
IRON	300	P01047	MANGANESE	P01056	99	0.91309	0.0001	5
IRON	300	P01045	MERCURY	P71890	77	-0.34494	0.0021	5
IRON	300	P01045	MERCURY	P71900	70	0.71282	0.0001	5
IRON	300	P01045	NICKEL	P01065	93	0.92236	0.0001	5
IRON	300	P01045	NICKEL	P01067	65	0.94391	0.0001	5
IRON	300	P01046	NICKEL	P01065	171	0.94318	0.0001	5
IRON	300	P01047	NICKEL	P01065	58	0.76475	0.0001	5
IRON	300	P01047	NITRITE	P00613	105	0.24277	0.0126	5
IRON	300	P01045	PH	P00400	190	-0.68013	0.0001	5
IRON	300	P01046	PH	P00400	745	-0.60715	0.0001	5
IRON	300	P01047	PH	P00400	105	-0.66561	0.0001	5
IRON	300	P01045	SELENIUM	P01145	98	-0.38409	0.0001	5
IRON	300	P01046	SELENIUM	P01145	159	0.49905	0.0001	5
IRON	300	P01047	SELENIUM	P01145	62	0.38647	0.0019	5
IRON	300	P01045	SULFATE	P00945	145	0.89691	0.0001	5
IRON	300	P01046	SULFATE	P00945	767	0.85088	0.0001	5
IRON	300	P01047	SULFATE	P00945	99	0.82532	0.0001	5
IRON	300	P01047	WELL-DEPTH	P72008	60	-0.29187	0.0237	5
IRON	2500	P01045	ANTIMONY	P01095	69	-0.46052	0.0001	5
IRON	2500	P01046	ANTIMONY	P01095	76	0.56783	0.0001	5
IRON	2500	P01045	ARSENIC	P01002	30	0.65218	0.0001	5
IRON	2500	P01046	ARSENIC	P01000	90	-0.30396	0.0036	5
IRON	2500	P01047	ARSENIC	P01000	51	0.62495	0.0001	[illegible]
IRON	2500	P01045	BARIUM	P01005	73	-0.53224	0.0001	5
IRON	2500	P01045	BARIUM	P01007	30	0.73075	0.0001	5
IRON	2500	P01046	BARIUM	P01005	195	-0.21416	0.0026	5
IRON	2500	P01047	BARIUM	P01005	51	-0.52682	0.0001	5
IRON	2500	P01045	BERYLLIUM	P01010	69	0.80621	0.0001	5
IRON	2500	P01045	BERYLLIUM	P01012	26	0.92385	0.0001	5
IRON	2500	P01046	BERYLLIUM	P01010	183	0.8182	0.0001	5
IRON	2500	P01047	BERYLLIUM	P01010	51	0.70677	0.0001	5
IRON	2500	P01045	CADMIUM	P01027	30	0.83678	0.0001	5
IRON	2500	P01046	CADMIUM	P01025	184	0.44687	0.0001	5
IRON	2500	P01047	CADMIUM	P01025	51	0.40452	0.0032	5
IRON	2500	P01045	CHROMIUM	P01030	73	-0.47042	0.0001	5
IRON	2500	P01045	CHROMIUM	P01034	30	0.95557	0.0001	5
IRON	2500	P01045	CONDUCTANCE	P00095	94	0.82338	0.0001	5
IRON	2500	P01046	CONDUCTANCE	P00095	268	0.79646	0.0001	5
IRON	2500	P01047	CONDUCTANCE	P00095	55	0.72735	0.0001	5
IRON	2500	P01046	DEPTH-BELOW-LAN	P72019	231	0.12958	0.0492	5
IRON	2500	P01047	DEPTH-BELOW-LAN	P72019	55	-0.30767	0.0223	5
IRON	2500	P01045	DISSOLVED-SOLID	P70301	58	0.90219	0.0001	5
IRON	2500	P01046	DISSOLVED-SOLID	P70301	236	0.82897	0.0001	5
IRON	2500	P01047	DISSOLVED-SOLID	P70301	40	0.78924	0.0001	5
IRON	2500	P01045	HARDNESS	P00900	73	0.77395	0.0001	5
IRON	2500	P01046	HARDNESS	P00900	272	0.75774	0.0001	5
IRON	2500	P01047	HARDNESS	P00900	55	0.62118	0.0001	5
IRON	2500	P01045	MANGANESE	P01055	105	0.97125	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	2500	P01045	MANGANESE	P01056	95	0.95833	0.0001	5
IRON	2500	P01046	MANGANESE	P01055	61	0.96029	0.0001	5
IRON	2500	P01046	MANGANESE	P01056	284	0.97475	0.0001	5
IRON	2500	P01047	MANGANESE	P01055	55	0.8643	0.0001	5
IRON	2500	P01047	MANGANESE	P01056	55	0.87352	0.0001	5
IRON	2500	P01045	MERCURY	P71890	53	-0.37523	0.0056	5
IRON	2500	P01045	MERCURY	P71900	30	0.70464	0.0001	5
IRON	2500	P01045	NICKEL	P01065	69	0.90606	0.0001	5
IRON	2500	P01045	NICKEL	P01067	26	0.95235	0.0001	5
IRON	2500	P01046	NICKEL	P01065	83	0.92524	0.0001	5
IRON	2500	P01047	NICKEL	P01065	51	0.72462	0.0001	5
IRON	2500	P01045	PH	P00400	102	-0.68825	0.0001	5
IRON	2500	P01046	PH	P00400	274	-0.71725	0.0001	5
IRON	2500	P01047	PH	P00400	55	-0.61569	0.0001	5
IRON	2500	P01045	SELENIUM	P01145	73	-0.36414	0.0015	5
IRON	2500	P01046	SELENIUM	P01145	79	0.40529	0.0002	5
IRON	2500	P01047	SELENIUM	P01145	51	0.30667	0.0286	5
IRON	2500	P01045	SULFATE	P00945	82	0.8754	0.0001	5
IRON	2500	P01046	SULFATE	P00945	266	0.88046	0.0001	5
IRON	2500	P01047	SULFATE	P00945	55	0.77641	0.0001	5
IRON	2500	P01046	TURBIDITY	P00076	60	0.2753	0.0333	5
IRON	2500	P01047	WELL-DEPTH	P72008	17	-0.62688	0.0071	5
MANGANESE	0	P01055	CONDUCTANCE	P00095	224	0.8008	0.0001	5
MANGANESE	0	P01056	CONDUCTANCE	P00095	1383	0.55272	0.0001	5
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	206	-0.16037	0.0213	5
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	1077	-0.09379	0.0021	5
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	147	0.8857	0.0001	5
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	1265	0.55662	0.0001	5
MANGANESE	0	P01055	HARDNESS	P00900	164	0.79421	0.0001	5
MANGANESE	0	P01056	HARDNESS	P00900	1413	0.6262	0.0001	5
MANGANESE	0	P01055	MERCURY	P71900	108	0.46249	0.0001	5
MANGANESE	0	P01055	NICKEL	P01065	113	0.90268	0.0001	5
MANGANESE	0	P01055	NICKEL	P01067	96	0.93906	0.0001	5
MANGANESE	0	P01056	NICKEL	P01065	346	0.93266	0.0001	5
MANGANESE	0	P01055	PH	P00400	268	-0.59681	0.0001	5
MANGANESE	0	P01056	PH	P00400	1404	-0.34969	0.0001	5
MANGANESE	0	P01055	SELENIUM	P01145	123	-0.20433	0.0234	5
MANGANESE	0	P01056	SELENIUM	P01147	62	-0.35235	0.005	5
MANGANESE	0	P01055	TURBIDITY	P00076	16	0.56939	0.0213	5
MANGANESE	50	P01055	ANTIMONY	P01095	92	-0.44991	0.0001	5
MANGANESE	50	P01056	ANTIMONY	P01095	160	0.26345	0.0008	5
MANGANESE	50	P01055	ARSENIC	P01002	61	0.61912	0.0001	5
MANGANESE	50	P01055	BARIUM	P01005	100	-0.54176	0.0001	5
MANGANESE	50	P01055	BARIUM	P01007	61	0.71394	0.0001	5
MANGANESE	50	P01056	BARIUM	P01005	462	-0.12445	0.0074	5
MANGANESE	50	P01055	BERYLLIUM	P01010	92	0.86467	0.0001	5
MANGANESE	50	P01055	BERYLLIUM	P01012	53	0.87275	0.0001	5
MANGANESE	50	P01056	BERYLLIUM	P01010	426	0.84112	0.0001	5
MANGANESE	50	P01055	CADMIUM	P01027	61	0.81607	0.0001	5
MANGANESE	50	P01056	CADMIUM	P01025	435	0.30037	0.0001	5
MANGANESE	50	P01055	CHROMIUM	P01030	100	-0.43067	0.0001	5

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01055	CHROMIUM	P01034	61	0.92396	0.0001	
MANGANESE	50	P01055	CONDUCTANCE	P00095	164	0.8027	0.0001	5
MANGANESE	50	P01056	CONDUCTANCE	P00095	757	0.67298	0.0001	5
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	110	0.8812	0.0001	5
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	703	0.56569	0.0001	5
MANGANESE	50	P01055	HARDNESS	P00900	125	0.78049	0.0001	5
MANGANESE	50	P01056	HARDNESS	P00900	754	0.64746	0.0001	5
MANGANESE	50	P01055	IRON	P01045	188	0.97459	0.0001	5
MANGANESE	50	P01055	IRON	P01046	125	0.97182	0.0001	5
MANGANESE	50	P01055	IRON	P01047	104	0.90836	0.0001	5
MANGANESE	50	P01056	IRON	P01045	134	0.96895	0.0001	5
MANGANESE	50	P01056	IRON	P01046	777	0.97407	0.0001	5
MANGANESE	50	P01056	IRON	P01047	104	0.91471	0.0001	5
MANGANESE	50	P01055	MERCURY	P71900	61	0.45942	0.0002	5
MANGANESE	50	P01055	NICKEL	P01065	92	0.89393	0.0001	5
MANGANESE	50	P01055	NICKEL	P01067	53	0.96392	0.0001	5
MANGANESE	50	P01056	NICKEL	P01065	183	0.9281	0.0001	5
MANGANESE	50	P01055	PH	P00400	185	-0.63343	0.0001	5
MANGANESE	50	P01056	PH	P00400	774	-0.56648	0.0001	5
MANGANESE	50	P01055	SULFATE	P00945	145	0.85823	0.0001	5
MANGANESE	50	P01056	SULFATE	P00945	733	0.82378	0.0001	5
MANGANESE	50	P01055	TURBIDITY	P00076	16	0.56939	0.0213	5
MERCURY	0	P71890	NICKEL	P01065	161	-0.17504	0.0264	5
MERCURY	0	P71900	NICKEL	P01067	97	0.76843	0.0001	5
MERCURY	0	P71890	SELENIUM	P01145	171	0.16535	0.0307	5
MERCURY	0	P71900	SELENIUM	P01147	107	0.37846	0.0001	
MERCURY	0	P71900	WELL-DEPTH	P72008	106	-0.19181	0.0489	5
NICKEL	0	P01065	CONDUCTANCE	P00095	332	0.75652	0.0001	5
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	315	-0.18344	0.0011	5
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	277	0.89253	0.0001	5
NICKEL	0	P01065	HARDNESS	P00900	287	0.84659	0.0001	5
NICKEL	0	P01065	PH	P00400	393	-0.47173	0.0001	5
NICKEL	0	P01067	SELENIUM	P01147	97	0.2949	0.0034	5
NICKEL	0	P01065	THALLIUM	P01057	108	0.18929	0.0498	5
NICKEL	100	P01065	BARIUM	P01005	38	-0.51993	0.0008	5
NICKEL	100	P01065	BERYLLIUM	P01010	38	0.8402	0.0001	5
NICKEL	100	P01067	CADMIUM	P01027	3	0.99983	0.0119	5
NICKEL	100	P01065	CONDUCTANCE	P00095	37	0.64855	0.0001	5
NICKEL	100	P01065	DEPTH-BELOW-LAN	P72019	37	-0.43079	0.0078	5
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	30	0.80982	0.0001	5
NICKEL	100	P01065	HARDNESS	P00900	37	0.34672	0.0355	5
NICKEL	100	P01065	IRON	P01045	36	0.80956	0.0001	5
NICKEL	100	P01065	IRON	P01046	37	0.80329	0.0001	5
NICKEL	100	P01065	IRON	P01047	37	0.55986	0.0003	5
NICKEL	100	P01065	MANGANESE	P01055	37	0.86484	0.0001	5
NICKEL	100	P01065	MANGANESE	P01056	37	0.87725	0.0001	5
NICKEL	100	P01067	MERCURY	P71900	3	0.99797	0.0405	5
NICKEL	100	P01065	PH	P00400	38	-0.56456	0.0002	5
NICKEL	100	P01065	SULFATE	P00945	38	0.73272	0.0001	5
NICKEL	100	P01065	TURBIDITY	P00076	12	0.86883	0.0002	5
NITRATE	0	P00618	BARIUM	P01005	152	0.1978	0.0146	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	251	0.52187	0.0001	5
NITRATE	8	P00618	BARIUM	P01005	8	0.8502	0.0075	5
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	27	0.97679	0.0001	5
NITRATE	10	P00618	BARIUM	P01005	6	0.85559	0.0298	5
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	18	0.98614	0.0001	5
NITRITE	0	P00613	CONDUCTANCE	P00095	1386	0.14898	0.0001	5
NITRITE	0	P00613	PH	P00400	1391	0.21297	0.0001	5
NITRITE	0	P00613	SELENIUM	P01145	269	0.15278	0.0121	5
PH	0	P00400	ALKALINITY	P39036	25	-0.67043	0.0002	5
PH	0	P00400	CONDUCTANCE	P00095	2723	0.19594	0.0001	5
PH	0	P00400	DISSOLVED-OXYGE	P00300	2383	-0.04566	0.0258	5
RADON	0	P76002	BARIUM	P01005	160	-0.1609	0.0421	5
RADON	0	P76002	CONDUCTANCE	P00095	311	-0.13913	0.0141	5
RADON	0	P82303	CONDUCTANCE	P00095	311	-0.11996	0.0345	5
RADON	0	P76002	IRON	P01046	279	-0.1499	0.0122	5
RADON	0	P82303	IRON	P01046	279	-0.16195	0.0067	5
RADON	0	P76002	PH	P00400	311	0.14974	0.0082	5
RADON	0	P82303	PH	P00400	311	0.14985	0.0081	5
RADON	100	P82303	ARSENIC	P01000	157	-0.16421	0.0399	5
RADON	100	P82303	CONDUCTANCE	P00095	305	-0.117	0.0412	5
RADON	100	P82303	IRON	P01046	272	-0.17758	0.0033	5
RADON	100	P82303	PH	P00400	305	0.15533	0.0066	5
RADON	300	P82303	PH	P00400	159	0.19179	0.0154	5
RADON	500	P82303	PH	P00400	93	0.22451	0.0305	5
RADON	500	P82303	WELL-DEPTH	P72008	93	0.22118	0.0331	5
RADON	1000	P82303	WELL-DEPTH	P72008	19	0.54207	0.0165	5
SELENIUM	0	P01145	HARDNESS	P00900	275	0.26526	0.0001	5
SELENIUM	0	P01147	PH	P00400	106	0.29934	0.0018	5
SELENIUM	0	P01145	THALLIUM	P01057	108	0.23435	0.0146	5
SELENIUM	0	P01145	WELL-DEPTH	P72008	381	-0.10683	0.0371	5
SELENIUM	0	P01147	WELL-DEPTH	P72008	104	-0.4789	0.0001	5
SULFATE	0	P00945	ANTIMONY	P01095	320	0.82281	0.0001	5
SULFATE	0	P00945	BARIUM	P01005	666	-0.18739	0.0001	5
SULFATE	0	P00945	BERYLLIUM	P01010	652	0.63621	0.0001	5
SULFATE	0	P00945	CADMIUM	P01025	653	0.36285	0.0001	5
SULFATE	0	P00945	CHROMIUM	P01030	466	0.28563	0.0001	5
SULFATE	0	P00945	CONDUCTANCE	P00095	1493	0.71727	0.0001	5
SULFATE	0	P00945	CYANIDE	P00723	154	0.27357	0.0006	5
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	1248	-0.12915	0.0001	5
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	1457	0.79647	0.0001	5
SULFATE	0	P00945	HARDNESS	P00900	1544	0.88018	0.0001	5
SULFATE	0	P00945	IRON	P01045	196	0.90307	0.0001	5
SULFATE	0	P00945	IRON	P01046	1379	0.84172	0.0001	5
SULFATE	0	P00945	IRON	P01047	130	0.83985	0.0001	5
SULFATE	0	P00945	MANGANESE	P01055	197	0.86638	0.0001	5
SULFATE	0	P00945	MANGANESE	P01056	1378	0.81575	0.0001	5
SULFATE	0	P00945	NICKEL	P01065	331	0.90406	0.0001	5
SULFATE	0	P00945	PH	P00400	1600	-0.25786	0.0001	5
SULFATE	0	P00945	SELENIUM	P01145	348	0.14485	0.0068	5
SULFATE	0	P00945	WELL-DEPTH	P72008	1549	0.22184	0.0001	5
SULFATE	25	P00945	ANTIMONY	P01095	205	0.84608	0.0001	5

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	ARSENIC	P01002	62	0.27766	0.0289	5
SULFATE	25	P00945	BARIUM	P01005	520	-0.25765	0.0001	5
SULFATE	25	P00945	BERYLLIUM	P01010	518	0.6423	0.0001	5
SULFATE	25	P00945	CADMIUM	P01025	519	0.35517	0.0001	5
SULFATE	25	P00945	CHROMIUM	P01030	331	0.34874	0.0001	5
SULFATE	25	P00945	CONDUCTANCE	P00095	984	0.73164	0.0001	5
SULFATE	25	P00945	CYANIDE	P00723	122	0.2907	0.0012	5
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	791	-0.12854	0.0003	5
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1009	0.79147	0.0001	5
SULFATE	25	P00945	HARDNESS	P00900	985	0.90378	0.0001	5
SULFATE	25	P00945	IRON	P01045	172	0.90158	0.0001	5
SULFATE	25	P00945	IRON	P01046	934	0.84741	0.0001	5
SULFATE	25	P00945	IRON	P01047	117	0.83552	0.0001	5
SULFATE	25	P00945	MANGANESE	P01055	173	0.86419	0.0001	5
SULFATE	25	P00945	MANGANESE	P01056	934	0.81985	0.0001	5
SULFATE	25	P00945	NICKEL	P01065	206	0.89943	0.0001	5
SULFATE	25	P00945	PH	P00400	1052	-0.41257	0.0001	5
SULFATE	25	P00945	WELL-DEPTH	P72008	989	0.26893	0.0001	5
SULFATE	120	P00945	ANTIMONY	P01095	90	0.78627	0.0001	5
SULFATE	120	P00945	BARIUM	P01005	244	-0.25937	0.0001	5
SULFATE	120	P00945	BERYLLIUM	P01010	244	0.64677	0.0001	5
SULFATE	120	P00945	CADMIUM	P01025	244	0.3803	0.0001	5
SULFATE	120	P00945	CHROMIUM	P01030	99	0.21795	0.0302	5
SULFATE	120	P00945	CONDUCTANCE	P00095	280	0.80002	0.0001	5
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	252	-0.13335	0.0344	5
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	291	0.80517	0.0001	5
SULFATE	120	P00945	HARDNESS	P00900	287	0.89345	0.0001	5
SULFATE	120	P00945	IRON	P01045	62	0.87094	0.0001	5
SULFATE	120	P00945	IRON	P01046	283	0.86167	0.0001	5
SULFATE	120	P00945	IRON	P01047	57	0.78504	0.0001	5
SULFATE	120	P00945	MANGANESE	P01055	63	0.82439	0.0001	5
SULFATE	120	P00945	MANGANESE	P01056	283	0.83007	0.0001	5
SULFATE	120	P00945	NICKEL	P01065	90	0.88054	0.0001	5
SULFATE	120	P00945	NITRATE	P00618	74	-0.23087	0.0478	5
SULFATE	120	P00945	PH	P00400	310	-0.5496	0.0001	5
SULFATE	120	P00945	WELL-DEPTH	P72008	252	0.24832	0.0001	5
SULFATE	150	P00945	ANTIMONY	P01095	82	0.7533	0.0001	5
SULFATE	150	P00945	BARIUM	P01005	210	-0.27239	0.0001	5
SULFATE	150	P00945	BERYLLIUM	P01010	210	0.64973	0.0001	5
SULFATE	150	P00945	CADMIUM	P01025	210	0.43383	0.0001	5
SULFATE	150	P00945	CHROMIUM	P01030	90	0.22731	0.0312	5
SULFATE	150	P00945	CONDUCTANCE	P00095	234	0.81836	0.0001	5
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	240	0.79448	0.0001	5
SULFATE	150	P00945	HARDNESS	P00900	240	0.88405	0.0001	5
SULFATE	150	P00945	IRON	P01045	54	0.88161	0.0001	5
SULFATE	150	P00945	IRON	P01046	236	0.86578	0.0001	5
SULFATE	150	P00945	IRON	P01047	54	0.78864	0.0001	5
SULFATE	150	P00945	MANGANESE	P01055	55	0.83403	0.0001	5
SULFATE	150	P00945	MANGANESE	P01056	236	0.83276	0.0001	5
SULFATE	150	P00945	NICKEL	P01065	82	0.88133	0.0001	5
SULFATE	150	P00945	PH	P00400	258	-0.57647	0.0001	5

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	150	P00945	RADON	P76002	16	0.55247	0.0265	5
SULFATE	150	P00945	WELL-DEPTH	P72008	200	0.26051	0.0002	5
SULFATE	250	P00945	ANTIMONY	P01095	70	0.69614	0.0001	5
SULFATE	250	P00945	BARIUM	P01005	154	-0.26335	0.001	5
SULFATE	250	P00945	BERYLLIUM	P01010	154	0.64141	0.0001	5
SULFATE	250	P00945	CADMIUM	P01025	154	0.41693	0.0001	5
SULFATE	250	P00945	CONDUCTANCE	P00095	173	0.81914	0.0001	5
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	169	0.76371	0.0001	5
SULFATE	250	P00945	HARDNESS	P00900	174	0.86323	0.0001	5
SULFATE	250	P00945	IRON	P01045	52	0.89034	0.0001	5
SULFATE	250	P00945	IRON	P01046	173	0.8725	0.0001	5
SULFATE	250	P00945	IRON	P01047	53	0.79111	0.0001	5
SULFATE	250	P00945	MANGANESE	P01055	53	0.84433	0.0001	5
SULFATE	250	P00945	MANGANESE	P01056	173	0.8361	0.0001	5
SULFATE	250	P00945	NICKEL	P01065	70	0.87605	0.0001	5
SULFATE	250	P00945	PH	P00400	189	-0.63356	0.0001	5
SULFATE	250	P00945	WELL-DEPTH	P72008	134	0.27724	0.0012	5
SULFATE	500	P00945	ANTIMONY	P01095	56	0.48306	0.0002	5
SULFATE	500	P00945	BARIUM	P01005	76	-0.39367	0.0004	5
SULFATE	500	P00945	BERYLLIUM	P01010	76	0.58536	0.0001	5
SULFATE	500	P00945	CADMIUM	P01025	76	0.33175	0.0034	5
SULFATE	500	P00945	CONDUCTANCE	P00095	86	0.75277	0.0001	5
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	81	0.61337	0.0001	5
SULFATE	500	P00945	HARDNESS	P00900	92	0.7573	0.0001	5
SULFATE	500	P00945	IRON	P01045	50	0.89993	0.0001	5
SULFATE	500	P00945	IRON	P01046	92	0.88546	0.0001	5
SULFATE	500	P00945	IRON	P01047	51	0.7971	0.0001	5
SULFATE	500	P00945	MANGANESE	P01055	51	0.85436	0.0001	5
SULFATE	500	P00945	MANGANESE	P01056	92	0.84108	0.0001	5
SULFATE	500	P00945	NICKEL	P01065	56	0.85722	0.0001	5
SULFATE	500	P00945	PH	P00400	95	-0.74503	0.0001	5
SULFATE	500	P00945	SELENIUM	P01145	62	0.29569	0.0196	5
THALLIUM	0	P01059	CONDUCTANCE	P00095	51	0.37911	0.0061	5
THALLIUM	0	P01059	DISSOLVED-OXYGE	P00300	49	0.50315	0.0002	5
THALLIUM	0	P01059	WELL-DEPTH	P72008	49	0.32667	0.022	5
THALLIUM	2	P01059	CONDUCTANCE	P00095	51	0.37911	0.0061	5
THALLIUM	2	P01059	DISSOLVED-OXYGE	P00300	49	0.50315	0.0002	5
THALLIUM	2	P01059	WELL-DEPTH	P72008	49	0.32667	0.022	5
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	2548	0.12549	0.0001	5
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	2212	-0.04312	0.0426	5
WELL-DEPTH	0	P72008	PH	P00400	2669	0.16383	0.0001	5
WELL-DEPTH	0	P72008	TURBIDITY	P00076	333	-0.18355	0.0008	5
ALKALINITY	0	P39036	CONDUCTANCE	P00095	727	0.15219	0.0001	6
ANTIMONY	0	P01095	ALKALINITY	P39036	120	0.29614	0.001	6
ANTIMONY	0	P01095	BERYLLIUM	P01010	362	0.32035	0.0001	6
ANTIMONY	0	P01097	BERYLLIUM	P01012	61	-0.36131	0.0042	6
ANTIMONY	0	P01095	CADMIUM	P01025	362	0.56155	0.0001	6
ANTIMONY	0	P01097	CADMIUM	P01025	54	0.47235	0.0003	6
ANTIMONY	0	P01097	CADMIUM	P01027	61	0.32802	0.0099	6
ANTIMONY	0	P01095	CHROMIUM	P01030	362	0.10387	0.0483	6
ANTIMONY	0	P01095	CONDUCTANCE	P00095	352	0.70756	0.0001	6

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	0	P01097	CONDUCTANCE	P00095	60	0.65768	0.0001	[illegible]
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	348	0.70724	0.0001	6
ANTIMONY	0	P01097	DISSOLVED-SOLID	P70301	56	0.65014	0.0001	6
ANTIMONY	0	P01095	HARDNESS	P00900	362	0.5345	0.0001	6
ANTIMONY	0	P01097	HARDNESS	P00900	61	0.30708	0.0161	6
ANTIMONY	0	P01095	IRON	P01046	361	0.18394	0.0004	6
ANTIMONY	0	P01097	IRON	P01045	61	0.32949	0.0095	6
ANTIMONY	0	P01095	MANGANESE	P01056	362	0.19605	0.0002	6
ANTIMONY	0	P01095	NICKEL	P01065	362	0.21941	0.0001	6
ANTIMONY	0	P01095	NITRITE	P00613	353	0.14064	0.0081	6
ANTIMONY	0	P01097	PH	P00400	60	-0.3779	0.0029	6
ANTIMONY	0	P01095	THALLIUM	P01057	10	0.66667	0.0353	6
ANTIMONY	6	P01097	ARSENIC	P01002	56	0.75094	0.0001	6
ANTIMONY	6	P01097	BERYLLIUM	P01012	56	0.32087	0.0159	6
ANTIMONY	6	P01097	CADMIUM	P01025	54	0.47235	0.0003	6
ANTIMONY	6	P01097	CONDUCTANCE	P00095	56	0.75498	0.0001	6
ANTIMONY	6	P01097	DISSOLVED-SOLID	P70301	51	0.74315	0.0001	6
ANTIMONY	6	P01097	IRON	P01045	56	0.3651	0.0057	6
ANTIMONY	6	P01097	SULFATE	P00945	56	0.26806	0.0458	6
ARSENIC	0	P01002	ANTIMONY	P01097	61	0.61393	0.0001	6
ARSENIC	0	P01002	BERYLLIUM	P01010	54	0.79748	0.0001	6
ARSENIC	0	P01000	CADMIUM	P01025	632	0.2566	0.0001	6
ARSENIC	0	P01000	CADMIUM	P01027	67	0.58106	0.0001	6
ARSENIC	0	P01002	CADMIUM	P01025	67	0.47239	0.0001	6
ARSENIC	0	P01000	CHROMIUM	P01030	632	-0.09529	0.0166	6
ARSENIC	0	P01000	CHROMIUM	P01034	67	0.28313	0.0203	[illegible]
ARSENIC	0	P01000	CONDUCTANCE	P00095	728	-0.07852	0.0342	6
ARSENIC	0	P01002	CONDUCTANCE	P00095	105	0.22888	0.0188	6
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	434	-0.32186	0.0001	6
ARSENIC	0	P01000	HARDNESS	P00900	797	-0.11001	0.0019	6
ARSENIC	0	P01002	MANGANESE	P01056	74	0.34401	0.0027	6
ARSENIC	0	P01002	MERCURY	P71890	13	1	0.0001	6
ARSENIC	0	P01000	PH	P00400	769	0.31075	0.0001	6
ARSENIC	0	P01000	RADON	P82303	181	0.30944	0.0001	6
ARSENIC	0	P01000	SELENIUM	P01145	602	0.53986	0.0001	6
ARSENIC	0	P01000	SELENIUM	P01147	67	-0.5631	0.0001	6
ARSENIC	0	P01000	THALLIUM	P01057	64	0.57651	0.0001	6
ARSENIC	0	P01000	WELL-DEPTH	P72008	616	0.23863	0.0001	6
ARSENIC	0	P01002	WELL-DEPTH	P72008	86	-0.27076	0.0117	6
ARSENIC	2	P01002	ANTIMONY	P01097	42	0.65156	0.0001	6
ARSENIC	2	P01002	BERYLLIUM	P01010	35	0.81626	0.0001	6
ARSENIC	2	P01002	BERYLLIUM	P01012	42	0.38888	0.0109	6
ARSENIC	2	P01000	CADMIUM	P01025	247	0.41971	0.0001	6
ARSENIC	2	P01002	CADMIUM	P01025	36	0.8306	0.0001	6
ARSENIC	2	P01000	CHROMIUM	P01034	55	-0.47516	0.0002	6
ARSENIC	2	P01002	CONDUCTANCE	P00095	55	0.29434	0.0292	6
ARSENIC	2	P01002	DISSOLVED-SOLID	P70301	38	0.38248	0.0178	6
ARSENIC	2	P01000	HARDNESS	P00900	264	-0.13018	0.0345	6
ARSENIC	2	P01002	MANGANESE	P01056	43	0.33425	0.0285	6
ARSENIC	2	P01002	NICKEL	P01065	35	0.39055	0.0204	6
ARSENIC	2	P01000	PH	P00400	253	0.17465	0.0053	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01002	PH	P00400	55	-0.2659	0.0497	6
ARSENIC	2	P01000	RADON	P82303	68	0.27472	0.0234	6
ARSENIC	2	P01000	SELENIUM	P01145	242	0.4673	0.0001	6
ARSENIC	2	P01002	SELENIUM	P01145	36	-0.72046	0.0001	6
ARSENIC	2	P01000	THALLIUM	P01057	57	0.35567	0.0066	6
ARSENIC	2	P01002	THALLIUM	P01057	35	0.69405	0.0001	6
ARSENIC	2	P01000	WELL-DEPTH	P72008	232	0.5178	0.0001	6
ARSENIC	2	P01002	WELL-DEPTH	P72008	49	-0.40721	0.0037	6
ARSENIC	5	P01002	ANTIMONY	P01097	3	0.99976	0.014	6
ARSENIC	5	P01000	CADMIUM	P01025	130	0.34393	0.0001	6
ARSENIC	5	P01000	CHROMIUM	P01034	54	-0.49076	0.0002	6
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	3	0.99809	0.0393	6
ARSENIC	5	P01000	RADON	P82303	32	0.61927	0.0002	6
ARSENIC	5	P01000	SELENIUM	P01145	130	0.30826	0.0004	6
ARSENIC	5	P01000	WELL-DEPTH	P72008	123	0.30092	0.0007	6
ARSENIC	10	P01000	BERYLLIUM	P01010	70	-0.2863	0.0163	6
ARSENIC	10	P01000	CHROMIUM	P01034	54	-0.49076	0.0002	6
ARSENIC	10	P01002	PH	P00400	4	-0.99646	0.0035	6
ARSENIC	10	P01000	RADON	P82303	12	0.84915	0.0005	6
ARSENIC	10	P01000	SELENIUM	P01145	81	-0.28658	0.0095	6
ARSENIC	20	P01000	CADMIUM	P01025	25	-0.40866	0.0425	6
ARSENIC	20	P01002	PH	P00400	3	-0.99966	0.0165	6
ARSENIC	20	P01000	WELL-DEPTH	P72008	24	-0.61129	0.0015	6
BARIUM	0	P01005	BERYLLIUM	P01010	538	0.25528	0.0001	6
BARIUM	0	P01005	CONDUCTANCE	P00095	633	0.24335	0.0001	6
BARIUM	0	P01007	CONDUCTANCE	P00095	63	0.39203	0.0015	6
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	630	0.10659	0.0074	6
BARIUM	0	P01005	HARDNESS	P00900	686	0.1023	0.0073	6
BARIUM	0	P01007	IRON	P01045	64	0.88686	0.0001	6
BARIUM	0	P01007	MANGANESE	P01055	64	0.48015	0.0001	6
BARIUM	0	P01007	PH	P00400	62	-0.40009	0.0013	6
BARIUM	0	P01007	SELENIUM	P01147	64	0.25778	0.0397	6
BARIUM	0	P01005	THALLIUM	P01057	64	-0.26712	0.0329	6
BARIUM	0	P01005	WELL-DEPTH	P72008	573	-0.09081	0.0297	6
BARIUM	0	P01007	WELL-DEPTH	P72008	45	-0.56592	0.0001	6
BARIUM	2000	P01007	CHROMIUM	P01034	7	0.95936	0.0006	6
BARIUM	2000	P01005	CONDUCTANCE	P00095	5	0.90741	0.0333	6
BARIUM	2000	P01005	IRON	P01046	5	0.92997	0.022	6
BARIUM	2000	P01005	MANGANESE	P01056	5	0.90901	0.0325	6
BERYLLIUM	0	P01010	ALKALINITY	P39036	157	0.20296	0.0108	6
BERYLLIUM	0	P01010	CADMIUM	P01025	538	0.46179	0.0001	6
BERYLLIUM	0	P01012	CADMIUM	P01025	54	-0.55641	0.0001	6
BERYLLIUM	0	P01012	CADMIUM	P01027	73	-0.78232	0.0001	6
BERYLLIUM	0	P01010	CHROMIUM	P01034	54	0.67112	0.0001	6
BERYLLIUM	0	P01012	CHROMIUM	P01034	73	-0.55623	0.0001	6
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	493	0.44323	0.0001	6
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	484	0.12354	0.0065	6
BERYLLIUM	0	P01010	HARDNESS	P00900	538	0.2713	0.0001	6
BERYLLIUM	0	P01010	IRON	P01046	537	0.10388	0.016	6
BERYLLIUM	0	P01010	MANGANESE	P01056	538	0.41342	0.0001	6
BERYLLIUM	0	P01012	MANGANESE	P01055	61	0.54688	0.0001	6

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01012	MANGANESE	P01056	61	0.4356	0.0005	
BERYLLIUM	0	P01010	MERCURY	P71890	89	0.23983	0.0236	6
BERYLLIUM	0	P01010	NICKEL	P01065	538	0.6318	0.0001	6
BERYLLIUM	0	P01012	NICKEL	P01065	54	-0.32591	0.0162	6
BERYLLIUM	0	P01012	NICKEL	P01067	73	-0.59213	0.0001	6
BERYLLIUM	0	P01010	NITRITE	P00613	432	0.17312	0.0003	6
BERYLLIUM	0	P01010	PH	P00400	524	-0.26439	0.0001	6
BERYLLIUM	0	P01012	PH	P00400	72	-0.25891	0.0281	6
BERYLLIUM	0	P01010	THALLIUM	P01057	64	0.30743	0.0135	6
BERYLLIUM	0	P01012	THALLIUM	P01057	54	-0.63479	0.0001	6
BERYLLIUM	0	P01012	THALLIUM	P01059	54	0.40247	0.0026	6
BERYLLIUM	4	P01010	ARSENIC	P01000	22	-0.71951	0.0002	6
BERYLLIUM	4	P01010	CADMIUM	P01025	23	0.53369	0.0087	6
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	17	0.69592	0.0019	6
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	19	0.51811	0.0231	6
BERYLLIUM	4	P01010	HARDNESS	P00900	23	0.6105	0.002	6
BERYLLIUM	4	P01010	MANGANESE	P01056	23	0.47619	0.0216	6
BERYLLIUM	4	P01010	NICKEL	P01065	23	0.68068	0.0004	6
BERYLLIUM	4	P01010	PH	P00400	16	-0.66409	0.005	6
BERYLLIUM	4	P01010	SELENIUM	P01145	22	-0.78428	0.0001	6
BERYLLIUM	4	P01010	SULFATE	P00945	23	0.57973	0.0037	6
BERYLLIUM	4	P01010	WELL-DEPTH	P72008	15	-0.71974	0.0025	6
CADMIUM	0	P01025	ALKALINITY	P39036	225	0.25522	0.0001	6
CADMIUM	0	P01027	CHROMIUM	P01034	86	0.25857	0.0162	6
CADMIUM	0	P01025	CONDUCTANCE	P00095	627	0.28689	0.0001	6
CADMIUM	0	P01027	CONDUCTANCE	P00095	85	-0.2173	0.0457	
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	356	-0.1551	0.0033	6
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	47	-0.55467	0.0001	6
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	625	0.23889	0.0001	6
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	81	-0.22768	0.0409	6
CADMIUM	0	P01025	HARDNESS	P00900	681	0.29503	0.0001	6
CADMIUM	0	P01027	HARDNESS	P00900	86	-0.28272	0.0084	6
CADMIUM	0	P01025	IRON	P01046	636	0.08999	0.0232	6
CADMIUM	0	P01027	IRON	P01046	74	0.43063	0.0001	6
CADMIUM	0	P01025	MANGANESE	P01055	67	0.37084	0.002	6
CADMIUM	0	P01025	MANGANESE	P01056	637	0.40814	0.0001	6
CADMIUM	0	P01027	MERCURY	P71890	13	0.94629	0.0001	6
CADMIUM	0	P01025	NICKEL	P01065	538	0.61437	0.0001	6
CADMIUM	0	P01027	NICKEL	P01065	54	0.28931	0.0338	6
CADMIUM	0	P01027	NICKEL	P01067	73	0.33463	0.0038	6
CADMIUM	0	P01025	PH	P00400	657	-0.16507	0.0001	6
CADMIUM	0	P01025	SELENIUM	P01145	602	0.29883	0.0001	6
CADMIUM	0	P01025	SELENIUM	P01147	67	-0.3069	0.0115	6
CADMIUM	0	P01027	SELENIUM	P01145	67	0.53027	0.0001	6
CADMIUM	0	P01025	THALLIUM	P01057	64	0.79776	0.0001	6
CADMIUM	0	P01027	THALLIUM	P01057	54	0.499	0.0001	6
CADMIUM	0	P01027	THALLIUM	P01059	54	-0.40988	0.0021	6
CADMIUM	0	P01025	WELL-DEPTH	P72008	563	0.13206	0.0017	6
CHROMIUM	0	P01034	CONDUCTANCE	P00095	105	-0.36077	0.0002	6
CHROMIUM	0	P01034	DISSOLVED-OXYGE	P00300	54	-0.36631	0.0064	6
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	81	-0.26049	0.0188	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01034	HARDNESS	P00900	86	-0.31605	0.003	6
CHROMIUM	0	P01034	IRON	P01045	94	-0.33705	0.0009	6
CHROMIUM	0	P01034	MANGANESE	P01055	94	-0.46846	0.0001	6
CHROMIUM	0	P01030	MERCURY	P71890	217	0.23457	0.0005	6
CHROMIUM	0	P01034	MERCURY	P71890	13	0.60584	0.0282	6
CHROMIUM	0	P01034	NICKEL	P01067	93	0.45893	0.0001	6
CHROMIUM	0	P01030	PH	P00400	657	-0.08095	0.038	6
CHROMIUM	0	P01034	PH	P00400	104	0.52982	0.0001	6
CHROMIUM	0	P01034	SELENIUM	P01145	67	0.55562	0.0001	6
CHROMIUM	0	P01034	SELENIUM	P01147	106	-0.21317	0.0282	6
CHROMIUM	0	P01030	THALLIUM	P01057	64	-0.35046	0.0045	6
CHROMIUM	0	P01034	WELL-DEPTH	P72008	86	0.57734	0.0001	6
DEPTH-BELOW-LAN	0	P72019	CONDUCTANCE	P00095	1425	-0.08135	0.0021	6
DEPTH-BELOW-LAN	0	P72019	DISSOLVED-OXYGE	P00300	234	0.36476	0.0001	6
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	642	-0.16349	0.0001	6
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	692	0.133	0.0005	6
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	1862	0.98305	0.0001	6
DISSOLVED-SOLID	0	P70301	DEPTH-BELOW-LAN	P72019	655	-0.17327	0.0001	6
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	593	-0.11748	0.0042	6
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	1905	0.95839	0.0001	6
DISSOLVED-SOLID	0	P70301	PH	P00400	1870	-0.18062	0.0001	6
DISSOLVED-SOLID	0	P70301	TURBIDITY	P00076	150	0.35866	0.0001	6
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	1599	0.24495	0.0001	6
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	138	0.72445	0.0001	6
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01097	6	0.99407	0.0001	6
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	168	0.18046	0.0192	6
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01012	6	0.99457	0.0001	6
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	228	0.35754	0.0001	6
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	228	-0.13222	0.0461	6
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	844	0.9767	0.0001	6
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	160	0.18879	0.0168	6
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	864	0.94668	0.0001	6
DISSOLVED-SOLID	500	P70301	IRON	P01046	603	0.13387	0.001	6
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	19	0.67752	0.0014	6
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	582	0.28973	0.0001	6
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	168	0.17649	0.0221	6
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	583	0.1283	0.0019	6
DISSOLVED-SOLID	500	P70301	PH	P00400	840	-0.36802	0.0001	6
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	224	0.20715	0.0018	6
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	864	0.93184	0.0001	6
DISSOLVED-SOLID	500	P70301	THALLIUM	P01059	5	-0.91128	0.0313	6
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	740	0.5278	0.0001	6
HARDNESS	0	P00900	ALKALINITY	P39036	725	0.08795	0.0179	6
HARDNESS	0	P00900	CONDUCTANCE	P00095	2214	0.92341	0.0001	6
HARDNESS	0	P00900	DEPTH-BELOW-LAN	P72019	712	-0.1822	0.0001	6
HARDNESS	0	P00900	PH	P00400	2042	-0.22902	0.0001	6
HARDNESS	0	P00900	TURBIDITY	P00076	150	0.38729	0.0001	6
HARDNESS	0	P00900	WELL-DEPTH	P72008	1975	0.22829	0.0001	6
HARDNESS	300	P00900	ANTIMONY	P01095	134	0.65004	0.0001	6
HARDNESS	300	P00900	BERYLLIUM	P01010	195	0.26409	0.0002	6
HARDNESS	300	P00900	CADMIUM	P01025	267	0.32396	0.0001	6

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	300	P00900	CADMIUM	P01027	26	-0.59953	0.0012	[illegible]
HARDNESS	300	P00900	CHROMIUM	P01034	26	-0.51366	0.0073	6
HARDNESS	300	P00900	CONDUCTANCE	P00095	1161	0.93169	0.0001	6
HARDNESS	300	P00900	DEPTH-BELOW-LAN	P72019	491	-0.20758	0.0001	6
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	1039	0.97239	0.0001	6
HARDNESS	300	P00900	IRON	P01046	815	0.13233	0.0002	6
HARDNESS	300	P00900	MANGANESE	P01056	793	0.3208	0.0001	6
HARDNESS	300	P00900	NICKEL	P01065	195	0.42039	0.0001	6
HARDNESS	300	P00900	NICKEL	P01067	13	0.73074	0.0045	6
HARDNESS	300	P00900	NITRITE	P00613	828	0.14909	0.0001	6
HARDNESS	300	P00900	PH	P00400	1076	-0.32481	0.0001	6
HARDNESS	300	P00900	SELENIUM	P01145	236	0.15328	0.0185	6
HARDNESS	300	P00900	SELENIUM	P01147	26	0.56859	0.0024	6
HARDNESS	300	P00900	SULFATE	P00945	1088	0.9319	0.0001	6
HARDNESS	300	P00900	TURBIDITY	P00076	61	0.33707	0.0079	6
HARDNESS	300	P00900	WELL-DEPTH	P72008	1048	0.45865	0.0001	6
IRON	0	P01046	ALKALINITY	P39036	227	-0.16512	0.0127	6
IRON	0	P01045	CONDUCTANCE	P00095	122	0.30851	0.0005	6
IRON	0	P01046	CONDUCTANCE	P00095	1652	0.17435	0.0001	6
IRON	0	P01046	DEPTH-BELOW-LAN	P72019	624	-0.10603	0.008	6
IRON	0	P01046	DISSOLVED-OXYGE	P00300	543	-0.10039	0.0193	6
IRON	0	P01046	DISSOLVED-SOLID	P70301	1333	0.22217	0.0001	6
IRON	0	P01046	HARDNESS	P00900	1668	0.23373	0.0001	6
IRON	0	P01045	MANGANESE	P01055	108	0.64495	0.0001	6
IRON	0	P01045	MANGANESE	P01056	83	0.23325	0.0338	6
IRON	0	P01046	MANGANESE	P01055	88	0.34634	0.0009	[illegible]
IRON	0	P01046	MANGANESE	P01056	1626	0.20635	0.0001	6
IRON	0	P01046	NICKEL	P01065	547	0.3479	0.0001	6
IRON	0	P01046	NICKEL	P01067	61	0.32199	0.0114	6
IRON	0	P01045	PH	P00400	121	-0.46655	0.0001	6
IRON	0	P01046	PH	P00400	1520	-0.23649	0.0001	6
IRON	0	P01045	SELENIUM	P01147	94	0.36948	0.0002	6
IRON	0	P01045	THALLIUM	P01057	63	0.27446	0.0295	6
IRON	0	P01046	THALLIUM	P01057	63	0.29162	0.0204	6
IRON	0	P01045	TURBIDITY	P00076	20	0.88503	0.0001	6
IRON	0	P01045	WELL-DEPTH	P72008	99	-0.66915	0.0001	6
IRON	0	P01046	WELL-DEPTH	P72008	1490	-0.15321	0.0001	6
IRON	300	P01046	ALKALINITY	P39036	52	-0.3607	0.0086	6
IRON	300	P01046	ANTIMONY	P01095	61	0.30848	0.0156	6
IRON	300	P01045	ARSENIC	P01000	25	-0.46358	0.0196	6
IRON	300	P01045	BARIUM	P01005	25	-0.4615	0.0202	6
IRON	300	P01045	BARIUM	P01007	43	0.87976	0.0001	6
IRON	300	P01045	CHROMIUM	P01034	47	-0.40159	0.0051	6
IRON	300	P01045	CONDUCTANCE	P00095	63	0.32849	0.0086	6
IRON	300	P01046	CONDUCTANCE	P00095	667	0.27306	0.0001	6
IRON	300	P01045	DISSOLVED-OXYGE	P00300	27	0.42252	0.0281	6
IRON	300	P01046	DISSOLVED-SOLID	P70301	442	0.31598	0.0001	6
IRON	300	P01046	HARDNESS	P00900	675	0.33845	0.0001	6
IRON	300	P01045	MANGANESE	P01055	58	0.62471	0.0001	6
IRON	300	P01046	MANGANESE	P01055	31	0.7391	0.0001	6
IRON	300	P01046	MANGANESE	P01056	661	0.24696	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01046	NICKEL	P01065	110	0.47752	0.0001	6
IRON	300	P01046	NICKEL	P01067	21	0.55989	0.0083	6
IRON	300	P01045	PH	P00400	63	-0.47739	0.0001	6
IRON	300	P01046	PH	P00400	560	-0.42599	0.0001	6
IRON	300	P01046	RADON	P82303	28	-0.38611	0.0424	6
IRON	300	P01045	SELENIUM	P01145	25	-0.58067	0.0023	6
IRON	300	P01045	SELENIUM	P01147	47	0.56993	0.0001	6
IRON	300	P01046	SULFATE	P00945	556	0.2987	0.0001	6
IRON	300	P01045	WELL-DEPTH	P72008	55	-0.61711	0.0001	6
IRON	300	P01046	WELL-DEPTH	P72008	665	-0.15423	0.0001	6
IRON	2500	P01046	ALKALINITY	P39036	22	-0.53258	0.0107	6
IRON	2500	P01046	ARSENIC	P01000	38	0.72409	0.0001	6
IRON	2500	P01045	BARIUM	P01007	17	0.80774	0.0001	6
IRON	2500	P01046	CONDUCTANCE	P00095	392	0.27938	0.0001	6
IRON	2500	P01046	DISSOLVED-SOLID	P70301	265	0.33367	0.0001	6
IRON	2500	P01046	HARDNESS	P00900	400	0.31022	0.0001	6
IRON	2500	P01046	MANGANESE	P01055	8	0.92414	0.001	6
IRON	2500	P01046	MANGANESE	P01056	388	0.22729	0.0001	6
IRON	2500	P01045	NICKEL	P01067	15	0.73459	0.0018	6
IRON	2500	P01046	NICKEL	P01065	33	0.95125	0.0001	6
IRON	2500	P01046	PH	P00400	304	-0.43435	0.0001	6
IRON	2500	P01045	SELENIUM	P01147	17	0.55634	0.0204	6
IRON	2500	P01046	SULFATE	P00945	311	0.33488	0.0001	6
IRON	2500	P01045	WELL-DEPTH	P72008	29	-0.40607	0.0288	6
MANGANESE	0	P01056	ALKALINITY	P39036	227	-0.1562	0.0185	6
MANGANESE	0	P01055	CONDUCTANCE	P00095	107	0.34057	0.0003	6
MANGANESE	0	P01056	CONDUCTANCE	P00095	1539	0.31294	0.0001	6
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	540	-0.22421	0.0001	6
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	1283	0.33194	0.0001	6
MANGANESE	0	P01056	HARDNESS	P00900	1618	0.3392	0.0001	6
MANGANESE	0	P01055	MERCURY	P71890	13	0.9885	0.0001	6
MANGANESE	0	P01055	NICKEL	P01067	81	-0.32335	0.0032	6
MANGANESE	0	P01056	NICKEL	P01065	548	0.74751	0.0001	6
MANGANESE	0	P01055	PH	P00400	106	-0.2917	0.0024	6
MANGANESE	0	P01056	PH	P00400	1420	-0.21383	0.0001	6
MANGANESE	0	P01055	SELENIUM	P01145	67	-0.36562	0.0023	6
MANGANESE	0	P01056	THALLIUM	P01057	64	-0.39522	0.0012	6
MANGANESE	0	P01055	WELL-DEPTH	P72008	84	-0.81267	0.0001	6
MANGANESE	0	P01056	WELL-DEPTH	P72008	1406	-0.09645	0.0003	6
MANGANESE	50	P01056	ALKALINITY	P39036	54	-0.3618	0.0072	6
MANGANESE	50	P01056	ANTIMONY	P01095	124	0.22985	0.0102	6
MANGANESE	50	P01055	ARSENIC	P01002	23	-0.43509	0.038	6
MANGANESE	50	P01056	BERYLLIUM	P01010	154	0.43358	0.0001	6
MANGANESE	50	P01056	CADMIUM	P01025	171	0.46892	0.0001	6
MANGANESE	50	P01056	CONDUCTANCE	P00095	764	0.36691	0.0001	6
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	543	0.38789	0.0001	6
MANGANESE	50	P01056	HARDNESS	P00900	794	0.42129	0.0001	6
MANGANESE	50	P01056	IRON	P01046	794	0.15306	0.0001	6
MANGANESE	50	P01056	NICKEL	P01065	154	0.74969	0.0001	6
MANGANESE	50	P01055	PH	P00400	35	0.44799	0.007	6
MANGANESE	50	P01056	PH	P00400	640	-0.37818	0.0001	6

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01056	RADON	P76002	55	0.29017	0.0316	
MANGANESE	50	P01056	SULFATE	P00945	663	0.51391	0.0001	6
MANGANESE	50	P01056	TURBIDITY	P00076	8	0.85438	0.0069	6
MANGANESE	50	P01055	WELL-DEPTH	P72008	29	-0.69816	0.0001	6
MANGANESE	50	P01056	WELL-DEPTH	P72008	758	-0.08791	0.0155	6
MERCURY	0	P71890	THALLIUM	P01057	10	1	0.0001	6
NICKEL	0	P01065	CONDUCTANCE	P00095	503	0.42268	0.0001	6
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	493	0.21315	0.0001	6
NICKEL	0	P01065	HARDNESS	P00900	547	0.43222	0.0001	6
NICKEL	0	P01067	HARDNESS	P00900	73	0.25021	0.0328	6
NICKEL	0	P01065	PH	P00400	534	-0.39781	0.0001	6
NICKEL	0	P01067	SELENIUM	P01145	54	-0.34281	0.0112	6
NICKEL	0	P01065	TURBIDITY	P00076	131	0.26669	0.0021	6
NICKEL	0	P01067	WELL-DEPTH	P72008	86	0.29164	0.0064	6
NITRATE	0	P00618	BERYLLIUM	P01010	93	0.37631	0.0002	6
NITRATE	0	P00618	CHROMIUM	P01034	7	-0.79915	0.0311	6
NITRATE	0	P00618	CONDUCTANCE	P00095	334	0.19665	0.0003	6
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	223	0.14227	0.0337	6
NITRATE	0	P00618	IRON	P01046	268	-0.13277	0.0298	6
NITRATE	0	P00618	MANGANESE	P01055	7	-0.80194	0.03	6
NITRATE	0	P00618	SELENIUM	P01147	7	-0.83388	0.0197	6
NITRATE	0	P00618	URANIUM-238	P22603	3	-0.99926	0.0245	6
NITRATE	0	P00618	WELL-DEPTH	P72008	293	-0.14854	0.0109	6
NITRATE	8	P00618	CONDUCTANCE	P00095	35	0.35994	0.0337	6
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	29	0.44416	0.0158	6
NITRATE	8	P00618	HARDNESS	P00900	34	0.34221	0.0476	
NITRITE	0	P00613	ALKALINITY	P39036	335	0.17492	0.0013	6
NITRITE	0	P00613	CONDUCTANCE	P00095	1867	0.0629	0.0066	6
NITRITE	0	P00613	DEPTH-BELOW-LAN	P72019	817	0.31253	0.0001	6
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	1368	0.11273	0.0001	6
NITRITE	0	P00613	TURBIDITY	P00076	134	0.25675	0.0027	6
NITRITE	1	P00613	MANGANESE	P01056	3	-1	0.0001	6
PH	0	P00400	CONDUCTANCE	P00095	3149	-0.22769	0.0001	6
PH	0	P00400	DISSOLVED-OXYGE	P00300	652	-0.2476	0.0001	6
RADIUM-226	0	P09510	IRON	P01046	9	0.85273	0.0035	6
RADIUM-226	0	P76001	PH	P00400	10	-0.67465	0.0324	6
RADIUM-226	0	P76001	WELL-DEPTH	P72008	10	0.65555	0.0396	6
RADIUM-226	3	P09510	HARDNESS	P00900	3	0.99952	0.0196	6
RADIUM-226	3	P09510	IRON	P01046	3	0.99998	0.0036	6
RADIUM-226	3	P09510	MANGANESE	P01056	3	0.99937	0.0226	6
RADON	0	P76002	CHROMIUM	P01030	181	-0.274	0.0002	6
RADON	0	P82303	CHROMIUM	P01030	181	-0.22577	0.0022	6
RADON	0	P76002	WELL-DEPTH	P72008	188	-0.19141	0.0085	6
RADON	0	P82303	WELL-DEPTH	P72008	188	-0.26418	0.0002	6
RADON	100	P82303	ARSENIC	P01000	155	0.27061	0.0007	6
RADON	100	P82303	CHROMIUM	P01030	155	-0.15913	0.048	6
RADON	300	P82303	ARSENIC	P01000	72	0.34232	0.0032	6
RADON	300	P82303	NICKEL	P01065	72	0.25411	0.0312	6
RADON	300	P82303	NITRATE	P00618	8	0.90548	0.002	6
RADON	500	P82303	DISSOLVED-OXYGE	P00300	29	-0.38543	0.0389	6
RADON	500	P82303	MANGANESE	P01056	29	0.5497	0.002	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
RADON	500	P82303	NITRATE	P00618	3	0.99959	0.0182	6
SELENIUM	0	P01147	CONDUCTANCE	P00095	105	0.6008	0.0001	6
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	358	-0.20874	0.0001	6
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	54	0.66782	0.0001	6
SELENIUM	0	P01147	DISSOLVED-SOLID	P70301	81	0.58489	0.0001	6
SELENIUM	0	P01147	HARDNESS	P00900	86	0.68075	0.0001	6
SELENIUM	0	P01145	PH	P00400	596	0.10361	0.0114	6
SELENIUM	0	P01145	THALLIUM	P01057	64	0.5485	0.0001	6
SELENIUM	0	P01145	WELL-DEPTH	P72008	521	0.32956	0.0001	6
SELENIUM	0	P01147	WELL-DEPTH	P72008	86	-0.49949	0.0001	6
SULFATE	0	P00945	ANTIMONY	P01095	354	0.63786	0.0001	6
SULFATE	0	P00945	ANTIMONY	P01097	61	0.34675	0.0062	6
SULFATE	0	P00945	BERYLLIUM	P01010	502	0.34227	0.0001	6
SULFATE	0	P00945	BERYLLIUM	P01012	73	-0.28388	0.0149	6
SULFATE	0	P00945	CADMIUM	P01025	645	0.35941	0.0001	6
SULFATE	0	P00945	CADMIUM	P01027	86	-0.23241	0.0313	6
SULFATE	0	P00945	CHROMIUM	P01034	86	-0.27517	0.0103	6
SULFATE	0	P00945	CONDUCTANCE	P00095	2013	0.88567	0.0001	6
SULFATE	0	P00945	DEPTH-BELOW-LAN	P72019	708	-0.10434	0.0055	6
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	622	-0.1	0.0126	6
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	1905	0.94496	0.0001	6
SULFATE	0	P00945	HARDNESS	P00900	2060	0.92761	0.0001	6
SULFATE	0	P00945	IRON	P01046	1487	0.18003	0.0001	6
SULFATE	0	P00945	MANGANESE	P01056	1437	0.40563	0.0001	6
SULFATE	0	P00945	NICKEL	P01065	512	0.56423	0.0001	6
SULFATE	0	P00945	NICKEL	P01067	73	0.36441	0.0015	6
SULFATE	0	P00945	PH	P00400	2016	-0.21714	0.0001	6
SULFATE	0	P00945	SELENIUM	P01147	86	0.63714	0.0001	6
SULFATE	0	P00945	THALLIUM	P01057	63	0.36371	0.0034	6
SULFATE	0	P00945	TURBIDITY	P00076	151	0.3667	0.0001	6
SULFATE	0	P00945	WELL-DEPTH	P72008	1757	0.30548	0.0001	6
SULFATE	25	P00945	ANTIMONY	P01095	229	0.66091	0.0001	6
SULFATE	25	P00945	ANTIMONY	P01097	36	0.39907	0.0159	6
SULFATE	25	P00945	ARSENIC	P01000	508	-0.10149	0.0221	6
SULFATE	25	P00945	BARIUM	P01005	407	-0.1304	0.0084	6
SULFATE	25	P00945	BERYLLIUM	P01010	300	0.44881	0.0001	6
SULFATE	25	P00945	BERYLLIUM	P01012	41	-0.32483	0.0382	6
SULFATE	25	P00945	CADMIUM	P01025	411	0.36315	0.0001	6
SULFATE	25	P00945	CADMIUM	P01027	54	-0.36443	0.0067	6
SULFATE	25	P00945	CHROMIUM	P01034	54	-0.32423	0.0168	6
SULFATE	25	P00945	CONDUCTANCE	P00095	1250	0.89106	0.0001	6
SULFATE	25	P00945	DEPTH-BELOW-LAN	P72019	449	-0.12841	0.0064	6
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1249	0.9449	0.0001	6
SULFATE	25	P00945	HARDNESS	P00900	1270	0.9338	0.0001	6
SULFATE	25	P00945	IRON	P01046	790	0.17273	0.0001	6
SULFATE	25	P00945	MANGANESE	P01056	751	0.40137	0.0001	6
SULFATE	25	P00945	NICKEL	P01065	303	0.57798	0.0001	6
SULFATE	25	P00945	NICKEL	P01067	41	0.40243	0.0091	6
SULFATE	25	P00945	PH	P00400	1247	-0.36817	0.0001	6
SULFATE	25	P00945	SELENIUM	P01147	54	0.60136	0.0001	6
SULFATE	25	P00945	TURBIDITY	P00076	69	0.31959	0.0074	6

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	WELL-DEPTH	P72008	1104	0.38036	0.0001	
SULFATE	120	P00945	ANTIMONY	P01095	122	0.65332	0.0001	6
SULFATE	120	P00945	ARSENIC	P01000	253	-0.17154	0.0062	6
SULFATE	120	P00945	BARIUM	P01005	215	-0.17977	0.0082	6
SULFATE	120	P00945	BERYLLIUM	P01010	154	0.58015	0.0001	6
SULFATE	120	P00945	CADMIUM	P01025	223	0.34831	0.0001	6
SULFATE	120	P00945	CADMIUM	P01027	33	-0.55708	0.0008	6
SULFATE	120	P00945	CHROMIUM	P01034	33	-0.47668	0.005	6
SULFATE	120	P00945	CONDUCTANCE	P00095	629	0.86383	0.0001	6
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	146	0.31491	0.0001	6
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	629	0.93158	0.0001	6
SULFATE	120	P00945	HARDNESS	P00900	638	0.92981	0.0001	6
SULFATE	120	P00945	IRON	P01046	371	0.16179	0.0018	6
SULFATE	120	P00945	MANGANESE	P01055	33	0.47081	0.0057	6
SULFATE	120	P00945	MANGANESE	P01056	341	0.41718	0.0001	6
SULFATE	120	P00945	NICKEL	P01065	154	0.61016	0.0001	6
SULFATE	120	P00945	NICKEL	P01067	20	0.50846	0.0221	6
SULFATE	120	P00945	NITRITE	P00613	331	0.13244	0.0159	6
SULFATE	120	P00945	PH	P00400	630	-0.42764	0.0001	6
SULFATE	120	P00945	SELENIUM	P01147	33	0.55324	0.0008	6
SULFATE	120	P00945	WELL-DEPTH	P72008	556	0.37821	0.0001	6
SULFATE	150	P00945	ANTIMONY	P01095	107	0.64279	0.0001	6
SULFATE	150	P00945	ARSENIC	P01000	213	-0.15872	0.0205	6
SULFATE	150	P00945	BARIUM	P01005	180	-0.171	0.0217	6
SULFATE	150	P00945	BERYLLIUM	P01010	129	0.60743	0.0001	6
SULFATE	150	P00945	CADMIUM	P01025	188	0.35687	0.0001	
SULFATE	150	P00945	CADMIUM	P01027	26	-0.50531	0.0085	6
SULFATE	150	P00945	CHROMIUM	P01034	26	-0.46302	0.0172	6
SULFATE	150	P00945	CONDUCTANCE	P00095	533	0.84859	0.0001	6
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	121	0.37482	0.0001	6
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	533	0.92361	0.0001	6
SULFATE	150	P00945	HARDNESS	P00900	541	0.92389	0.0001	6
SULFATE	150	P00945	IRON	P01046	309	0.1509	0.0079	6
SULFATE	150	P00945	MANGANESE	P01055	26	0.44247	0.0236	6
SULFATE	150	P00945	MANGANESE	P01056	287	0.41804	0.0001	6
SULFATE	150	P00945	NICKEL	P01065	129	0.61495	0.0001	6
SULFATE	150	P00945	PH	P00400	534	-0.40553	0.0001	6
SULFATE	150	P00945	SELENIUM	P01147	26	0.49387	0.0103	6
SULFATE	150	P00945	WELL-DEPTH	P72008	463	0.44031	0.0001	6
SULFATE	250	P00945	ANTIMONY	P01095	76	0.60199	0.0001	6
SULFATE	250	P00945	BERYLLIUM	P01010	85	0.63564	0.0001	6
SULFATE	250	P00945	CADMIUM	P01025	135	0.35286	0.0001	6
SULFATE	250	P00945	CONDUCTANCE	P00095	368	0.78299	0.0001	6
SULFATE	250	P00945	DISSOLVED-OXYGE	P00300	84	0.37073	0.0005	6
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	367	0.88633	0.0001	6
SULFATE	250	P00945	HARDNESS	P00900	374	0.89266	0.0001	6
SULFATE	250	P00945	MANGANESE	P01056	194	0.41095	0.0001	6
SULFATE	250	P00945	NICKEL	P01065	85	0.62231	0.0001	6
SULFATE	250	P00945	NITRATE	P00618	52	-0.30225	0.0294	6
SULFATE	250	P00945	PH	P00400	368	-0.36287	0.0001	6
SULFATE	250	P00945	SELENIUM	P01145	135	0.24012	0.005	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	250	P00945.	WELL-DEPTH	P72008	327	0.48979	0.0001	6
SULFATE	500	P00945	ANTIMONY	P01095	29	0.48467	0.0077	6
SULFATE	500	P00945	ARSENIC	P01002	13	0.61874	0.0242	6
SULFATE	500	P00945	BERYLLIUM	P01010	29	0.64361	0.0002	6
SULFATE	500	P00945	CADMIUM	P01025	72	0.31134	0.0078	6
SULFATE	500	P00945	CADMIUM	P01027	13	0.62095	0.0235	6
SULFATE	500	P00945	CHROMIUM	P01034	13	0.65474	0.0152	6
SULFATE	500	P00945	CONDUCTANCE	P00095	250	0.66215	0.0001	6
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	249	0.81089	0.0001	6
SULFATE	500	P00945	HARDNESS	P00900	256	0.79099	0.0001	6
SULFATE	500	P00945	MANGANESE	P01055	13	0.67475	0.0114	6
SULFATE	500	P00945	MANGANESE	P01056	101	0.44275	0.0001	6
SULFATE	500	P00945	NICKEL	P01065	29	0.61541	0.0004	6
SULFATE	500	P00945	PH	P00400	248	-0.21177	0.0008	6
SULFATE	500	P00945	SELENIUM	P01145	72	0.39686	0.0006	6
SULFATE	500	P00945	WELL-DEPTH	P72008	224	0.24984	0.0002	6
THALLIUM	0	P01057	CONDUCTANCE	P00095	63	0.2539	0.0447	6
THALLIUM	0	P01057	HARDNESS	P00900	64	0.42485	0.0005	6
THALLIUM	0	P01057	PH	P00400	64	0.27887	0.0257	6
THALLIUM	0	P01057	WELL-DEPTH	P72008	63	0.2691	0.033	6
THALLIUM	2	P01057	BERYLLIUM	P01010	55	0.28202	0.037	6
THALLIUM	2	P01057	BERYLLIUM	P01012	54	-0.63479	0.0001	6
THALLIUM	2	P01057	CADMIUM	P01025	55	0.68307	0.0001	6
THALLIUM	2	P01057	CADMIUM	P01027	54	0.499	0.0001	6
THALLIUM	2	P01059	IRON	P01046	32	0.3792	0.0323	6
THALLIUM	2	P01059	MANGANESE	P01056	32	0.35151	0.0485	6
THALLIUM	2	P01057	NICKEL	P01065	55	0.39721	0.0027	6
TURBIDITY	0	P00076	CONDUCTANCE	P00095	150	0.34684	0.0001	6
URANIUM-235	0	P22620	SELENIUM	P01147	6	1	0.0001	6
URANIUM-235	0	P22620	URANIUM-238	P22603	11	0.99803	0.0001	6
URANIUM-238	0	P22603	BARIUM	P01005	5	-0.91194	0.031	6
URANIUM-238	0	P22603	BERYLLIUM	P01010	5	-0.91856	0.0276	6
URANIUM-238	0	P22603	CHROMIUM	P01030	5	0.88939	0.0434	6
URANIUM-238	0	P22603	NICKEL	P01065	5	0.91856	0.0276	6
URANIUM-238	0	P22603	SELENIUM	P01147	6	0.99823	0.0001	6
WELL-DEPTH	0	P72008	ALKALINITY	P39036	695	-0.1662	0.0001	6
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	1417	0.29799	0.0001	6
WELL-DEPTH	0	P72008	PH	P00400	2764	0.23874	0.0001	6
ANTIMONY	0	P01095	BARIUM	P01005	199	0.27978	0.0001	7
ANTIMONY	0	P01097	BARIUM	P01005	129	0.33453	0.0001	7
ANTIMONY	0	P01097	BERYLLIUM	P01010	129	0.51378	0.0001	7
ANTIMONY	0	P01095	CADMIUM	P01025	199	-0.96372	0.0001	7
ANTIMONY	0	P01097	CADMIUM	P01025	129	-0.17794	0.0436	7
ANTIMONY	0	P01095	CHROMIUM	P01030	199	0.90703	0.0001	7
ANTIMONY	0	P01097	CHROMIUM	P01030	129	0.47205	0.0001	7
ANTIMONY	0	P01095	CONDUCTANCE	P00095	195	0.24647	0.0005	7
ANTIMONY	0	P01097	CYANIDE	P00720	85	-0.87522	0.0001	7
ANTIMONY	0	P01095	DEPTH-BELOW-LAN	P72019	127	-0.38335	0.0001	7
ANTIMONY	0	P01097	DEPTH-BELOW-LAN	P72019	67	-0.36113	0.0027	7
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	195	-0.5959	0.0001	7
ANTIMONY	0	P01097	DISSOLVED-OXYGE	P00300	82	-0.31142	0.0044	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	83	0.75841	0.0001	7
ANTIMONY	0	P01095	IRON	P01046	198	0.35759	0.0001	7
ANTIMONY	0	P01095	MANGANESE	P01056	199	0.4049	0.0001	7
ANTIMONY	0	P01095	NICKEL	P01065	199	-0.23257	0.0009	7
ANTIMONY	0	P01095	NITRITE	P00613	182	0.18939	0.0104	7
ANTIMONY	0	P01097	NITRITE	P00615	127	0.2926	0.0008	7
ANTIMONY	0	P01095	PH	P00400	199	-0.52869	0.0001	7
ANTIMONY	0	P01097	SELENIUM	P01147	129	0.79367	0.0001	7
ANTIMONY	0	P01097	THALLIUM	P01059	148	0.54608	0.0001	7
ANTIMONY	0	P01095	WELL-DEPTH	P72008	119	-0.2983	0.001	7
ANTIMONY	0	P01097	WELL-DEPTH	P72008	79	-0.27389	0.0146	7
ARSENIC	0	P01000	ANTIMONY	P01095	198	0.40214	0.0001	7
ARSENIC	0	P01000	BARIUM	P01005	889	-0.0791	0.0183	7
ARSENIC	0	P01002	BERYLLIUM	P01010	129	0.247	0.0048	7
ARSENIC	0	P01002	BERYLLIUM	P01012	137	0.18121	0.0341	7
ARSENIC	0	P01000	CADMIUM	P01025	982	0.22715	0.0001	7
ARSENIC	0	P01002	CADMIUM	P01027	114	0.19219	0.0405	7
ARSENIC	0	P01000	CHROMIUM	P01030	982	0.17188	0.0001	7
ARSENIC	0	P01002	CHROMIUM	P01034	137	0.33579	0.0001	7
ARSENIC	0	P01000	CONDUCTANCE	P00095	1009	0.08373	0.0078	7
ARSENIC	0	P01002	CONDUCTANCE	P00095	154	0.39313	0.0001	7
ARSENIC	0	P01000	CYANIDE	P00723	23	-0.49064	0.0175	7
ARSENIC	0	P01002	CYANIDE	P00720	93	-0.40627	0.0001	7
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	890	-0.1372	0.0001	7
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	90	-0.31685	0.0023	7
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	853	0.1307	0.0001	7
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	95	0.46385	0.0001	7
ARSENIC	0	P01000	HARDNESS	P00900	1020	0.13078	0.0001	7
ARSENIC	0	P01002	HARDNESS	P00900	136	0.31292	0.0002	7
ARSENIC	0	P01000	IRON	P01046	1023	0.30966	0.0001	7
ARSENIC	0	P01002	IRON	P01045	136	0.38766	0.0001	7
ARSENIC	0	P01000	MANGANESE	P01056	1024	0.202	0.0001	7
ARSENIC	0	P01002	MERCURY	P71900	111	0.29408	0.0017	7
ARSENIC	0	P01000	NICKEL	P01065	982	0.13754	0.0001	7
ARSENIC	0	P01002	NITRITE	P00615	127	0.26845	0.0023	7
ARSENIC	0	P01000	PH	P00400	1014	-0.07099	0.0238	7
ARSENIC	0	P01002	THALLIUM	P01057	30	0.39358	0.0314	7
ARSENIC	0	P01000	WELL-DEPTH	P72008	782	-0.09044	0.0114	7
ARSENIC	0	P01002	WELL-DEPTH	P72008	79	-0.29485	0.0083	7
ARSENIC	2	P01000	ANTIMONY	P01095	88	0.29086	0.006	7
ARSENIC	2	P01000	CADMIUM	P01025	474	0.2451	0.0001	7
ARSENIC	2	P01000	CHROMIUM	P01030	474	0.13972	0.0023	7
ARSENIC	2	P01002	CHROMIUM	P01034	59	0.2635	0.0437	7
ARSENIC	2	P01000	CONDUCTANCE	P00095	467	0.15446	0.0008	7
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	425	-0.13286	0.0061	7
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	376	0.23438	0.0001	7
ARSENIC	2	P01000	HARDNESS	P00900	472	0.22365	0.0001	7
ARSENIC	2	P01000	IRON	P01046	474	0.32917	0.0001	7
ARSENIC	2	P01000	MANGANESE	P01056	474	0.18538	0.0001	7
ARSENIC	2	P01000	NICKEL	P01065	474	0.17663	0.0001	7
ARSENIC	2	P01000	NITRATE	P00618	116	-0.1886	0.0426	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01000	PH	P00400	467	-0.11494	0.0129	7
ARSENIC	2	P01000	SELENIUM	P01145	448	-0.10306	0.0292	7
ARSENIC	2	P01000	TURBIDITY	P00076	58	0.25951	0.0492	7
ARSENIC	2	P01000	WELL-DEPTH	P72008	370	-0.11643	0.0251	7
ARSENIC	5	P01000	BARIUM	P01007	11	-0.60438	0.0489	7
ARSENIC	5	P01002	BARIUM	P01005	35	-0.35655	0.0355	7
ARSENIC	5	P01000	CADMIUM	P01025	322	0.24829	0.0001	7
ARSENIC	5	P01002	CADMIUM	P01027	28	0.37577	0.0488	7
ARSENIC	5	P01000	CHROMIUM	P01030	322	0.14604	0.0087	7
ARSENIC	5	P01000	CONDUCTANCE	P00095	315	0.29602	0.0001	7
ARSENIC	5	P01002	DEPTH-BELOW-LAN	P72019	28	0.67541	0.0001	7
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	290	-0.12279	0.0366	7
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	260	0.30081	0.0001	7
ARSENIC	5	P01000	HARDNESS	P00900	322	0.25933	0.0001	7
ARSENIC	5	P01000	IRON	P01046	322	0.31327	0.0001	7
ARSENIC	5	P01000	MANGANESE	P01056	322	0.15017	0.0069	7
ARSENIC	5	P01000	NICKEL	P01065	322	0.1911	0.0006	7
ARSENIC	5	P01002	NITRITE	P00615	34	0.40657	0.017	7
ARSENIC	5	P01000	PH	P00400	315	-0.15296	0.0065	7
ARSENIC	5	P01000	SELENIUM	P01145	315	-0.16025	0.0044	7
ARSENIC	5	P01000	TURBIDITY	P00076	38	0.60068	0.0001	7
ARSENIC	5	P01000	WELL-DEPTH	P72008	254	-0.14547	0.0204	7
ARSENIC	5	P01002	WELL-DEPTH	P72008	25	0.65851	0.0003	7
ARSENIC	10	P01000	BARIUM	P01007	9	-0.71376	0.0308	7
ARSENIC	10	P01000	CADMIUM	P01025	177	0.21553	0.004	7
ARSENIC	10	P01000	CONDUCTANCE	P00095	175	0.2105	0.0052	7
ARSENIC	10	P01002	CONDUCTANCE	P00095	26	0.3929	0.0471	7
ARSENIC	10	P01000	CYANIDE	P00720	9	-0.94021	0.0002	7
ARSENIC	10	P01002	DEPTH-BELOW-LAN	P72019	19	0.66032	0.0021	7
ARSENIC	10	P01000	HARDNESS	P00900	177	0.20954	0.0051	7
ARSENIC	10	P01002	HARDNESS	P00900	27	0.41853	0.0298	7
ARSENIC	10	P01000	IRON	P01046	177	0.2235	0.0028	7
ARSENIC	10	P01000	NICKEL	P01065	177	0.26397	0.0004	7
ARSENIC	10	P01002	NITRATE	P00618	5	-0.94163	0.0168	7
ARSENIC	10	P01002	NITRITE	P00615	24	0.45104	0.027	7
ARSENIC	10	P01000	SELENIUM	P01145	177	-0.22356	0.0028	7
ARSENIC	10	P01002	THALLIUM	P01059	25	-0.41559	0.0388	7
ARSENIC	10	P01000	TURBIDITY	P00076	29	0.66559	0.0001	7
ARSENIC	10	P01000	WELL-DEPTH	P72008	134	-0.17545	0.0426	7
ARSENIC	10	P01002	WELL-DEPTH	P72008	16	0.57672	0.0194	7
ARSENIC	20	P01002	ANTIMONY	P01097	14	-0.66394	0.0096	7
ARSENIC	20	P01000	CADMIUM	P01025	125	0.17603	0.0496	7
ARSENIC	20	P01002	CONDUCTANCE	P00095	15	0.75928	0.001	7
ARSENIC	20	P01002	HARDNESS	P00900	15	0.68317	0.005	7
ARSENIC	20	P01000	NICKEL	P01065	125	0.24744	0.0054	7
ARSENIC	20	P01000	NITRATE	P00618	29	0.43227	0.0192	7
ARSENIC	20	P01002	PH	P00400	15	0.52345	0.0452	7
ARSENIC	20	P01000	SELENIUM	P01145	125	-0.18606	0.0378	7
ARSENIC	20	P01002	SELENIUM	P01147	15	-0.56015	0.0299	7
ARSENIC	20	P01002	THALLIUM	P01059	14	-0.7643	0.0015	7
ARSENIC	20	P01000	TURBIDITY	P00076	16	0.95639	0.0001	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	BERYLLIUM	P01010	1031	-0.10673	0.0006	[illegible]
BARIUM	0	P01007	BERYLLIUM	P01012	71	0.23791	0.0457	7
BARIUM	0	P01005	CADMIUM	P01025	1031	0.24746	0.0001	7
BARIUM	0	P01007	CADMIUM	P01027	49	0.43972	0.0016	7
BARIUM	0	P01005	CHROMIUM	P01030	1031	0.14087	0.0001	7
BARIUM	0	P01005	CHROMIUM	P01034	129	0.22855	0.0092	7
BARIUM	0	P01007	CHROMIUM	P01034	71	0.69101	0.0001	7
BARIUM	0	P01005	CONDUCTANCE	P00095	1014	0.18895	0.0001	7
BARIUM	0	P01005	CYANIDE	P00720	86	-0.41575	0.0001	7
BARIUM	0	P01005	DEPTH-BELOW-LAN	P72019	592	-0.31214	0.0001	7
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	904	-0.31343	0.0001	7
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	829	0.21559	0.0001	7
BARIUM	0	P01005	HARDNESS	P00900	1027	0.35931	0.0001	7
BARIUM	0	P01005	IRON	P01045	131	0.24128	0.0055	7
BARIUM	0	P01005	IRON	P01046	1030	0.52923	0.0001	7
BARIUM	0	P01007	IRON	P01045	70	0.6892	0.0001	7
BARIUM	0	P01007	IRON	P01046	71	0.29072	0.0139	7
BARIUM	0	P01005	MANGANESE	P01055	132	0.3409	0.0001	7
BARIUM	0	P01005	MANGANESE	P01056	1031	0.20041	0.0001	7
BARIUM	0	P01007	MANGANESE	P01055	71	0.41556	0.0003	7
BARIUM	0	P01007	MANGANESE	P01056	71	0.36745	0.0016	7
BARIUM	0	P01007	MERCURY	P71900	48	0.38468	0.0069	7
BARIUM	0	P01007	NICKEL	P01065	63	0.32896	0.0085	7
BARIUM	0	P01007	NICKEL	P01067	71	0.43184	0.0002	7
BARIUM	0	P01005	PH	P00400	1016	-0.16303	0.0001	7
BARIUM	0	P01007	PH	P00400	69	-0.28994	0.0157	[illegible]
BARIUM	0	P01005	SELENIUM	P01145	890	-0.1678	0.0001	7
BARIUM	0	P01005	SELENIUM	P01147	129	0.44797	0.0001	7
BARIUM	0	P01005	THALLIUM	P01059	129	0.4512	0.0001	7
BARIUM	0	P01007	THALLIUM	P01059	63	0.26842	0.0334	7
BARIUM	0	P01005	WELL-DEPTH	P72008	754	-0.22727	0.0001	7
BERYLLIUM	0	P01010	CHROMIUM	P01030	1031	0.32746	0.0001	7
BERYLLIUM	0	P01012	CHROMIUM	P01030	129	0.22027	0.0121	7
BERYLLIUM	0	P01012	CHROMIUM	P01034	137	0.41376	0.0001	7
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	136	0.26754	0.0016	7
BERYLLIUM	0	P01010	CYANIDE	P00720	86	-0.80306	0.0001	7
BERYLLIUM	0	P01012	CYANIDE	P00720	93	-0.20815	0.0453	7
BERYLLIUM	0	P01012	DEPTH-BELOW-LAN	P72019	67	-0.35517	0.0032	7
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	904	0.27255	0.0001	7
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	829	0.15039	0.0001	7
BERYLLIUM	0	P01012	DISSOLVED-SOLID	P70301	95	0.31182	0.0021	7
BERYLLIUM	0	P01012	HARDNESS	P00900	136	0.18049	0.0355	7
BERYLLIUM	0	P01010	IRON	P01046	1030	-0.08893	0.0043	7
BERYLLIUM	0	P01012	IRON	P01045	136	0.38585	0.0001	7
BERYLLIUM	0	P01012	IRON	P01046	137	0.20563	0.0159	7
BERYLLIUM	0	P01012	MERCURY	P71900	111	0.20165	0.0338	7
BERYLLIUM	0	P01012	NICKEL	P01065	129	0.33505	0.0001	7
BERYLLIUM	0	P01012	NITRITE	P00615	127	0.31992	0.0002	7
BERYLLIUM	0	P01010	PH	P00400	1016	-0.09053	0.0039	7
BERYLLIUM	0	P01010	SELENIUM	P01145	890	0.17661	0.0001	7
BERYLLIUM	0	P01010	SELENIUM	P01147	129	0.67079	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01010	THALLIUM	P01059	129	0.50269	0.0001	7
BERYLLIUM	0	P01012	WELL-DEPTH	P72008	79	-0.39912	0.0003	7
BERYLLIUM	4	P01012	ARSENIC	P01002	9	-0.73173	0.025	7
BERYLLIUM	4	P01012	BARIUM	P01007	9	-0.7475	0.0206	7
BERYLLIUM	4	P01012	CADMIUM	P01027	9	-0.99381	0.0001	7
BERYLLIUM	4	P01012	CHROMIUM	P01034	9	-0.8404	0.0046	7
BERYLLIUM	4	P01012	CYANIDE	P00720	9	-1	0.0001	7
BERYLLIUM	4	P01012	HARDNESS	P00900	9	-0.77447	0.0143	7
BERYLLIUM	4	P01012	IRON	P01045	9	-0.85293	0.0035	7
BERYLLIUM	4	P01012	MERCURY	P71900	9	-1	0.0001	7
BERYLLIUM	4	P01012	NICKEL	P01067	9	-0.99574	0.0001	7
CADMIUM	0	P01025	CHROMIUM	P01030	1124	0.12961	0.0001	7
CADMIUM	0	P01027	CHROMIUM	P01034	114	0.21821	0.0197	7
CADMIUM	0	P01025	CONDUCTANCE	P00095	1106	0.17988	0.0001	7
CADMIUM	0	P01027	CONDUCTANCE	P00095	128	0.25616	0.0035	7
CADMIUM	0	P01025	CYANIDE	P00720	86	0.51667	0.0001	7
CADMIUM	0	P01025	DEPTH-BELOW-LAN	P72019	631	-0.18229	0.0001	7
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	936	-0.16956	0.0001	7
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	919	0.29831	0.0001	7
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	96	0.27162	0.0074	7
CADMIUM	0	P01025	HARDNESS	P00900	1119	0.36158	0.0001	7
CADMIUM	0	P01027	HARDNESS	P00900	114	0.26298	0.0047	7
CADMIUM	0	P01025	IRON	P01046	1124	0.58979	0.0001	7
CADMIUM	0	P01027	IRON	P01045	113	0.24421	0.0091	7
CADMIUM	0	P01025	MANGANESE	P01056	1125	0.31433	0.0001	7
CADMIUM	0	P01027	MERCURY	P71900	112	0.22376	0.0177	7
CADMIUM	0	P01025	NICKEL	P01065	1124	0.48834	0.0001	7
CADMIUM	0	P01025	NICKEL	P01067	129	0.82462	0.0001	7
CADMIUM	0	P01027	NICKEL	P01065	106	0.82504	0.0001	7
CADMIUM	0	P01027	NICKEL	P01067	114	0.7991	0.0001	7
CADMIUM	0	P01027	NITRITE	P00615	112	0.21054	0.0259	7
CADMIUM	0	P01025	PH	P00400	1108	-0.10015	0.0008	7
CADMIUM	0	P01025	SELENIUM	P01145	890	-0.12367	0.0002	7
CADMIUM	0	P01025	SELENIUM	P01147	129	-0.21502	0.0144	7
CADMIUM	0	P01025	THALLIUM	P01059	129	-0.22115	0.0118	7
CADMIUM	0	P01025	WELL-DEPTH	P72008	844	-0.12098	0.0004	7
CADMIUM	5	P01027	ALKALINITY	P39036	4	0.99143	0.0086	7
CADMIUM	5	P01025	CONDUCTANCE	P00095	68	0.30117	0.0126	7
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	62	0.50401	0.0001	7
CADMIUM	5	P01025	HARDNESS	P00900	68	0.288	0.0172	7
CADMIUM	5	P01025	NICKEL	P01065	68	0.68128	0.0001	7
CADMIUM	5	P01027	NICKEL	P01065	8	0.76787	0.0261	7
CADMIUM	5	P01025	SULFATE	P00945	68	0.45581	0.0001	7
CHROMIUM	0	P01030	CONDUCTANCE	P00095	1105	0.2891	0.0001	7
CHROMIUM	0	P01030	CYANIDE	P00720	86	-0.50584	0.0001	7
CHROMIUM	0	P01030	DEPTH-BELOW-LAN	P72019	631	-0.14704	0.0002	7
CHROMIUM	0	P01034	DEPTH-BELOW-LAN	P72019	67	-0.2546	0.0376	7
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	935	-0.30971	0.0001	7
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	918	0.27041	0.0001	7
CHROMIUM	0	P01030	HARDNESS	P00900	1118	0.23889	0.0001	7
CHROMIUM	0	P01030	IRON	P01046	1123	0.18665	0.0001	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01034	IRON	P01045	136	0.88196	0.0001	
CHROMIUM	0	P01030	MANGANESE	P01056	1124	0.12796	0.0001	7
CHROMIUM	0	P01034	MANGANESE	P01055	137	0.33954	0.0001	7
CHROMIUM	0	P01034	MANGANESE	P01056	137	0.23944	0.0048	7
CHROMIUM	0	P01030	MERCURY	P71900	103	0.29022	0.0029	7
CHROMIUM	0	P01034	MERCURY	P71900	111	0.59023	0.0001	7
CHROMIUM	0	P01030	NICKEL	P01065	1124	0.15148	0.0001	7
CHROMIUM	0	P01034	NICKEL	P01065	129	0.21863	0.0128	7
CHROMIUM	0	P01034	NICKEL	P01067	137	0.44822	0.0001	7
CHROMIUM	0	P01030	PH	P00400	1107	-0.21041	0.0001	7
CHROMIUM	0	P01030	SELENIUM	P01145	890	0.0799	0.0171	7
CHROMIUM	0	P01030	SELENIUM	P01147	129	0.54308	0.0001	7
CHROMIUM	0	P01030	THALLIUM	P01059	129	0.32442	0.0002	7
CHROMIUM	0	P01034	THALLIUM	P01059	129	0.21755	0.0133	7
CHROMIUM	0	P01030	WELL-DEPTH	P72008	844	-0.10144	0.0032	7
CYANIDE	0	P00720	CONDUCTANCE	P00095	94	-0.53714	0.0001	7
CYANIDE	0	P00720	DEPTH-BELOW-LAN	P72019	31	0.62699	0.0002	7
CYANIDE	0	P00720	DISSOLVED-OXYGE	P00300	52	0.60582	0.0001	7
CYANIDE	0	P00720	DISSOLVED-SOLID	P70301	71	-0.55985	0.0001	7
CYANIDE	0	P00720	HARDNESS	P00900	94	-0.24798	0.016	7
CYANIDE	0	P00720	NITRITE	P00615	83	-0.55885	0.0001	7
CYANIDE	0	P00720	PH	P00400	94	0.52733	0.0001	7
CYANIDE	0	P00720	SELENIUM	P01147	93	-0.8077	0.0001	7
CYANIDE	0	P00720	THALLIUM	P01059	85	-0.90936	0.0001	7
CYANIDE	0	P00720	TURBIDITY	P00076	22	0.45671	0.0326	7
CYANIDE	0	P00720	WELL-DEPTH	P72008	39	0.57084	0.0001	
CYANIDE	0.2	P00723	TURBIDITY	P00076	7	0.96728	0.0004	7
DEPTH-BELOW-LAN	0	P72019	DISSOLVED-OXYGE	P00300	1082	0.10348	0.0007	7
DEPTH-BELOW-LAN	0	P72019	PH	P00400	1325	0.19213	0.0001	7
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	4193	-0.14334	0.0001	7
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	271	0.31073	0.0001	7
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	2177	0.86626	0.0001	7
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	1647	-0.27947	0.0001	7
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	2218	0.79548	0.0001	7
DISSOLVED-SOLID	0	P70301	PH	P00400	2161	-0.14278	0.0001	7
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	1881	0.04544	0.0488	7
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	12	0.85517	0.0004	7
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	330	-0.16075	0.0034	7
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	330	0.23933	0.0001	7
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	687	0.74999	0.0001	7
DISSOLVED-SOLID	500	P70301	DEPTH-BELOW-LAN	P72019	301	0.29742	0.0001	7
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	576	-0.08481	0.0419	7
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	698	0.60182	0.0001	7
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	85	0.69238	0.0001	7
DISSOLVED-SOLID	500	P70301	PH	P00400	690	0.07933	0.0372	7
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	291	0.62135	0.0001	7
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	698	0.76359	0.0001	7
DISSOLVED-SOLID	500	P70301	URANIUM-235	P22620	6	0.90088	0.0143	7
DISSOLVED-SOLID	500	P70301	URANIUM-238	P22603	6	0.89195	0.0169	7
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	621	0.17768	0.0001	7
HARDNESS	0	P00900	CONDUCTANCE	P00095	3368	0.70977	0.0001	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	0	P00900	DEPTH-BELOW-LAN	P72019	1054	-0.13282	0.0001	7
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	2337	-0.32	0.0001	7
HARDNESS	0	P00900	PH	P00400	3355	-0.23056	0.0001	7
HARDNESS	0	P00900	WELL-DEPTH	P72008	2956	-0.03899	0.034	7
HARDNESS	300	P00900	ARSENIC	P01000	610	0.15381	0.0001	7
HARDNESS	300	P00900	ARSENIC	P01002	67	0.29003	0.0173	7
HARDNESS	300	P00900	BERYLLIUM	P01010	670	0.17083	0.0001	7
HARDNESS	300	P00900	CADMIUM	P01025	691	0.2812	0.0001	7
HARDNESS	300	P00900	CHROMIUM	P01030	691	0.17338	0.0001	7
HARDNESS	300	P00900	CONDUCTANCE	P00095	1652	0.52979	0.0001	7
HARDNESS	300	P00900	CYANIDE	P00723	6	0.93541	0.0061	7
HARDNESS	300	P00900	DEPTH-BELOW-LAN	P72019	642	0.16833	0.0001	7
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	1284	-0.1476	0.0001	7
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	1102	0.7107	0.0001	7
HARDNESS	300	P00900	IRON	P01046	1271	0.33062	0.0001	7
HARDNESS	300	P00900	MANGANESE	P01056	1271	0.25053	0.0001	7
HARDNESS	300	P00900	NICKEL	P01065	691	0.15586	0.0001	7
HARDNESS	300	P00900	NITRATE	P00618	198	0.50074	0.0001	7
HARDNESS	300	P00900	SELENIUM	P01145	588	0.3359	0.0001	7
HARDNESS	300	P00900	SELENIUM	P01147	67	-0.35499	0.0032	7
HARDNESS	300	P00900	SULFATE	P00945	1502	0.4515	0.0001	7
HARDNESS	300	P00900	THALLIUM	P01059	59	-0.40838	0.0013	7
HARDNESS	300	P00900	URANIUM-235	P22620	6	0.88906	0.0178	7
HARDNESS	300	P00900	URANIUM-238	P22603	6	0.88038	0.0206	7
HARDNESS	300	P00900	WELL-DEPTH	P72008	1455	0.10034	0.0001	7
IRON	0	P01046	CONDUCTANCE	P00095	2532	0.21011	0.0001	7
IRON	0	P01046	DEPTH-BELOW-LAN	P72019	936	-0.21819	0.0001	7
IRON	0	P01046	DISSOLVED-OXYGE	P00300	2013	-0.2916	0.0001	7
IRON	0	P01046	DISSOLVED-SOLID	P70301	2164	0.24325	0.0001	7
IRON	0	P01046	HARDNESS	P00900	2559	0.43918	0.0001	7
IRON	0	P01045	MANGANESE	P01055	163	0.49554	0.0001	7
IRON	0	P01045	MANGANESE	P01056	143	0.4313	0.0001	7
IRON	0	P01046	MANGANESE	P01055	144	0.69745	0.0001	7
IRON	0	P01046	MANGANESE	P01056	2578	0.5418	0.0001	7
IRON	0	P01045	MERCURY	P71900	110	0.59295	0.0001	7
IRON	0	P01045	NICKEL	P01065	131	0.2287	0.0086	7
IRON	0	P01045	NICKEL	P01067	136	0.44936	0.0001	7
IRON	0	P01045	NITRITE	P00615	126	0.1823	0.0411	7
IRON	0	P01046	PH	P00400	2534	-0.23595	0.0001	7
IRON	0	P01046	SELENIUM	P01145	889	-0.19844	0.0001	7
IRON	0	P01046	WELL-DEPTH	P72008	2132	-0.13133	0.0001	7
IRON	300	P01045	ARSENIC	P01002	63	0.31693	0.0114	7
IRON	300	P01046	ARSENIC	P01000	591	0.24816	0.0001	7
IRON	300	P01045	BARIUM	P01007	48	0.67697	0.0001	7
IRON	300	P01046	BARIUM	P01005	591	0.31989	0.0001	7
IRON	300	P01045	BERYLLIUM	P01012	63	0.30593	0.0148	7
IRON	300	P01046	CADMIUM	P01025	624	0.64808	0.0001	7
IRON	300	P01045	CHROMIUM	P01034	63	0.88334	0.0001	7
IRON	300	P01046	CONDUCTANCE	P00095	977	0.21856	0.0001	7
IRON	300	P01045	CYANIDE	P00720	30	0.45119	0.0123	7
IRON	300	P01046	CYANIDE	P00720	19	0.59048	0.0078	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01046	DEPTH-BELOW-LAN	P72019	499	-0.32737	0.0001	7
IRON	300	P01046	DISSOLVED-OXYGE	P00300	869	-0.19695	0.0001	7
IRON	300	P01046	DISSOLVED-SOLID	P70301	767	0.20123	0.0001	7
IRON	300	P01046	HARDNESS	P00900	972	0.44429	0.0001	7
IRON	300	P01045	MANGANESE	P01055	89	0.45646	0.0001	7
IRON	300	P01045	MANGANESE	P01056	69	0.39451	0.0008	7
IRON	300	P01046	MANGANESE	P01055	37	0.785	0.0001	7
IRON	300	P01046	MANGANESE	P01056	981	0.40548	0.0001	7
IRON	300	P01045	MERCURY	P71900	49	0.59139	0.0001	7
IRON	300	P01046	MERCURY	P71890	524	-0.11987	0.006	7
IRON	300	P01045	NICKEL	P01067	63	0.41673	0.0007	7
IRON	300	P01046	NICKEL	P01065	624	0.10071	0.0118	7
IRON	300	P01046	NITRATE	P00618	122	-0.23444	0.0093	7
IRON	300	P01046	NITRITE	P00613	723	0.09957	0.0074	7
IRON	300	P01046	PH	P00400	975	-0.23263	0.0001	7
IRON	300	P01046	RADON	P76002	66	-0.27498	0.0254	7
IRON	300	P01046	SELENIUM	P01145	556	-0.34237	0.0001	7
IRON	300	P01046	WELL-DEPTH	P72008	796	-0.21316	0.0001	7
IRON	2500	P01046	ARSENIC	P01000	481	0.2297	0.0001	7
IRON	2500	P01045	BARIUM	P01007	27	0.64092	0.0003	7
IRON	2500	P01046	BARIUM	P01005	482	0.14415	0.0015	7
IRON	2500	P01046	BERYLLIUM	P01010	482	0.09508	0.0369	7
IRON	2500	P01045	CADMIUM	P01025	25	0.50986	0.0092	7
IRON	2500	P01045	CADMIUM	P01027	27	0.47897	0.0115	7
IRON	2500	P01046	CADMIUM	P01025	498	0.59139	0.0001	7
IRON	2500	P01045	CHROMIUM	P01034	30	0.93123	0.0001	[illegible]
IRON	2500	P01046	CHROMIUM	P01030	498	0.14093	0.0016	7
IRON	2500	P01046	CONDUCTANCE	P00095	612	0.39303	0.0001	7
IRON	2500	P01046	DEPTH-BELOW-LAN	P72019	359	-0.22286	0.0001	7
IRON	2500	P01046	DISSOLVED-OXYGE	P00300	562	-0.2252	0.0001	7
IRON	2500	P01046	DISSOLVED-SOLID	P70301	519	0.4399	0.0001	7
IRON	2500	P01046	HARDNESS	P00900	605	0.51984	0.0001	7
IRON	2500	P01045	MANGANESE	P01055	41	0.34775	0.0259	7
IRON	2500	P01046	MANGANESE	P01055	14	0.73158	0.0029	7
IRON	2500	P01046	MANGANESE	P01056	613	0.36989	0.0001	7
IRON	2500	P01045	MERCURY	P71900	26	0.60865	0.001	7
IRON	2500	P01045	NICKEL	P01065	25	0.60379	0.0014	7
IRON	2500	P01045	NICKEL	P01067	30	0.7099	0.0001	7
IRON	2500	P01046	NITRITE	P00613	533	0.10661	0.0138	7
IRON	2500	P01046	PH	P00400	611	-0.30419	0.0001	7
IRON	2500	P01046	SELENIUM	P01145	465	-0.10911	0.0186	7
IRON	2500	P01046	SULFATE	P00945	602	0.17636	0.0001	7
IRON	2500	P01046	WELL-DEPTH	P72008	491	-0.13925	0.002	7
MANGANESE	0	P01056	CONDUCTANCE	P00095	2534	0.19035	0.0001	7
MANGANESE	0	P01055	DEPTH-BELOW-LAN	P72019	70	-0.24377	0.042	7
MANGANESE	0	P01056	DEPTH-BELOW-LAN	P72019	936	-0.21509	0.0001	7
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	112	-0.21711	0.0215	7
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	2014	-0.32873	0.0001	7
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	2165	0.21324	0.0001	7
MANGANESE	0	P01056	HARDNESS	P00900	2560	0.31666	0.0001	7
MANGANESE	0	P01055	PH	P00400	160	-0.16621	0.0357	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01056	PH	P00400	2536	-0.2225	0.0001	7
MANGANESE	0	P01056	SELENIUM	P01145	890	-0.12787	0.0001	7
MANGANESE	0	P01055	WELL-DEPTH	P72008	79	-0.24648	0.0285	7
MANGANESE	0	P01056	WELL-DEPTH	P72008	2133	-0.16438	0.0001	7
MANGANESE	50	P01056	ARSENIC	P01000	789	0.15343	0.0001	7
MANGANESE	50	P01055	BARIUM	P01005	73	0.2685	0.0216	7
MANGANESE	50	P01055	BARIUM	P01007	62	0.40005	0.0013	7
MANGANESE	50	P01056	BARIUM	P01007	57	0.34235	0.0091	7
MANGANESE	50	P01055	BERYLLIUM	P01010	73	-0.25163	0.0318	7
MANGANESE	50	P01056	CADMIUM	P01025	853	0.31669	0.0001	7
MANGANESE	50	P01055	CHROMIUM	P01030	73	-0.25239	0.0312	7
MANGANESE	50	P01055	CHROMIUM	P01034	78	0.29292	0.0093	7
MANGANESE	50	P01056	CONDUCTANCE	P00095	1492	0.19041	0.0001	7
MANGANESE	50	P01055	CYANIDE	P00720	43	0.33988	0.0258	7
MANGANESE	50	P01056	CYANIDE	P00720	40	0.3393	0.0322	7
MANGANESE	50	P01056	DEPTH-BELOW-LAN	P72019	702	-0.20516	0.0001	7
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	1286	-0.12755	0.0001	7
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	1162	0.22975	0.0001	7
MANGANESE	50	P01056	HARDNESS	P00900	1493	0.28004	0.0001	7
MANGANESE	50	P01055	IRON	P01045	105	0.46074	0.0001	7
MANGANESE	50	P01055	IRON	P01046	85	0.6738	0.0001	7
MANGANESE	50	P01056	IRON	P01045	75	0.39493	0.0005	7
MANGANESE	50	P01056	IRON	P01046	1505	0.44866	0.0001	7
MANGANESE	50	P01056	NICKEL	P01065	853	0.06732	0.0494	7
MANGANESE	50	P01055	PH	P00400	102	-0.24441	0.0133	7
MANGANESE	50	P01056	PH	P00400	1487	-0.18311	0.0001	7
MANGANESE	50	P01056	RADON	P76002	104	-0.22581	0.0212	7
MANGANESE	50	P01056	SELENIUM	P01145	728	-0.11503	0.0019	7
MANGANESE	50	P01055	SULFATE	P00945	85	-0.2275	0.0363	7
MANGANESE	50	P01056	SULFATE	P00945	1482	0.05265	0.0427	7
MANGANESE	50	P01056	WELL-DEPTH	P72008	1203	-0.1433	0.0001	7
MERCURY	0	P71900	ALKALINITY	P39036	5	0.89741	0.0388	7
MERCURY	0	P71900	NICKEL	P01065	103	0.32504	0.0008	7
MERCURY	0	P71900	NICKEL	P01067	111	0.56659	0.0001	7
NICKEL	0	P01065	CONDUCTANCE	P00095	1105	0.11459	0.0001	7
NICKEL	0	P01067	CONDUCTANCE	P00095	136	0.1894	0.0272	7
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	935	-0.16091	0.0001	7
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	918	0.14918	0.0001	7
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	95	0.22124	0.0312	7
NICKEL	0	P01065	HARDNESS	P00900	1118	0.21996	0.0001	7
NICKEL	0	P01067	HARDNESS	P00900	136	0.26868	0.0016	7
NICKEL	0	P01065	SELENIUM	P01145	890	-0.1303	0.0001	7
NITRATE	0	P00618	ANTIMONY	P01095	100	-0.4223	0.0001	7
NITRATE	0	P00618	BERYLLIUM	P01010	212	0.18529	0.0068	7
NITRATE	0	P00618	CADMIUM	P01025	243	0.17072	0.0076	7
NITRATE	0	P00618	CHROMIUM	P01030	243	0.16741	0.0089	7
NITRATE	0	P00618	CONDUCTANCE	P00095	492	0.1732	0.0001	7
NITRATE	0	P00618	DEPTH-BELOW-LAN	P72019	220	-0.35873	0.0001	7
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	382	0.4645	0.0001	7
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	293	0.48038	0.0001	7
NITRATE	0	P00618	HARDNESS	P00900	405	0.3598	0.0001	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	NICKEL	P01065	243	0.74962	0.0001	7
NITRATE	0	P00618	SELENIUM	P01145	209	0.3081	0.0001	7
NITRATE	0	P00618	TURBIDITY	P00076	93	0.45323	0.0001	7
NITRATE	8	P00618	BERYLLIUM	P01010	7	0.76839	0.0436	7
NITRATE	8	P00618	CADMIUM	P01025	9	0.88309	0.0016	7
NITRATE	8	P00618	CONDUCTANCE	P00095	74	0.63807	0.0001	7
NITRATE	8	P00618	DEPTH-BELOW-LAN	P72019	31	-0.38104	0.0344	7
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	26	0.78231	0.0001	7
NITRATE	8	P00618	HARDNESS	P00900	29	0.82163	0.0001	7
NITRATE	8	P00618	NICKEL	P01065	9	0.98598	0.0001	7
NITRATE	10	P00618	CADMIUM	P01025	5	0.93986	0.0175	7
NITRATE	10	P00618	CONDUCTANCE	P00095	59	0.71695	0.0001	7
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	13	0.87846	0.0001	7
NITRATE	10	P00618	HARDNESS	P00900	14	0.91132	0.0001	7
NITRATE	10	P00618	NICKEL	P01065	5	0.9934	0.0006	7
NITRITE	0	P00613	CONDUCTANCE	P00095	2160	0.13828	0.0001	7
NITRITE	0	P00615	CONDUCTANCE	P00095	285	0.20578	0.0005	7
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	1719	-0.06794	0.0048	7
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	1614	0.05122	0.0396	7
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	108	0.38722	0.0001	7
NITRITE	0	P00615	HARDNESS	P00900	162	0.28426	0.0002	7
NITRITE	0	P00613	PH	P00400	2175	0.24172	0.0001	7
NITRITE	0	P00613	SELENIUM	P01145	800	0.12408	0.0004	7
NITRITE	0	P00615	WELL-DEPTH	P72008	202	-0.14999	0.0331	7
RADIUM-226	0	P09510	CONDUCTANCE	P00095	11	0.68259	0.0206	7
RADIUM-226	0	P76001	CONDUCTANCE	P00095	11	0.6688	0.0244	7
RADIUM-226	0	P09510	DISSOLVED-SOLID	P70301	11	0.66157	0.0266	7
RADIUM-226	0	P76001	DISSOLVED-SOLID	P70301	11	0.6491	0.0307	7
RADIUM-226	0	P09510	PH	P00400	11	-0.77557	0.005	7
RADIUM-226	0	P76001	PH	P00400	11	-0.76784	0.0058	7
RADIUM-226	3	P09510	RADON	P76002	3	0.9997	0.0157	7
RADIUM-226	3	P09510	RADON	P82303	3	0.99694	0.0498	7
RADON	0	P76002	IRON	P01046	281	-0.16636	0.0052	7
RADON	0	P76002	MANGANESE	P01056	281	-0.17832	0.0027	7
RADON	0	P82303	NITRITE	P00613	217	0.15558	0.0219	7
RADON	0	P82303	PH	P00400	483	-0.09219	0.0429	7
RADON	0	P76002	SELENIUM	P01145	37	-0.35848	0.0294	7
RADON	0	P76002	TURBIDITY	P00076	74	0.31147	0.0069	7
RADON	0	P82303	TURBIDITY	P00076	74	0.34857	0.0023	7
RADON	0	P82303	WELL-DEPTH	P72008	466	-0.13197	0.0043	7
RADON	100	P82303	NITRITE	P00613	211	0.15472	0.0246	7
RADON	100	P82303	PH	P00400	477	-0.09069	0.0478	7
RADON	100	P82303	TURBIDITY	P00076	74	0.34857	0.0023	7
RADON	100	P82303	WELL-DEPTH	P72008	459	-0.12145	0.0092	7
RADON	300	P82303	DISSOLVED-OXYGE	P00300	198	-0.14185	0.0462	7
RADON	300	P82303	HARDNESS	P00900	270	0.18514	0.0023	7
RADON	300	P82303	NITRITE	P00613	124	0.19461	0.0303	7
RADON	300	P82303	PH	P00400	318	-0.23713	0.0001	7
RADON	300	P82303	TURBIDITY	P00076	44	0.41147	0.0055	7
RADON	300	P82303	WELL-DEPTH	P72008	312	0.11995	0.0342	7
RADON	500	P82303	BARIUM	P01005	8	0.90972	0.0017	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SELENIUM	0	P01145	CONDUCTANCE	P00095	877	0.33051	0.0001	7
SELENIUM	0	P01145	DEPTH-BELOW-LAN	P72019	529	0.14776	0.0007	7
SELENIUM	0	P01147	DEPTH-BELOW-LAN	P72019	67	-0.38707	0.0012	7
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	820	0.14318	0.0001	7
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	90	-0.25074	0.0171	7
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	722	0.46177	0.0001	7
SELENIUM	0	P01145	HARDNESS	P00900	888	0.16357	0.0001	7
SELENIUM	0	P01147	HARDNESS	P00900	136	-0.20559	0.0163	7
SELENIUM	0	P01147	PH	P00400	134	-0.21758	0.0116	7
SELENIUM	0	P01147	THALLIUM	P01059	129	0.8037	0.0001	7
SELENIUM	0	P01145	TURBIDITY	P00076	95	0.84099	0.0001	7
SELENIUM	0	P01147	WELL-DEPTH	P72008	79	-0.25557	0.023	7
SULFATE	0	P00945	BARIUM	P01005	1012	-0.23684	0.0001	7
SULFATE	0	P00945	BERYLLIUM	P01010	1012	0.10046	0.0014	7
SULFATE	0	P00945	CADMIUM	P01025	1106	0.10149	0.0007	7
SULFATE	0	P00945	CADMIUM	P01027	115	0.41766	0.0001	7
SULFATE	0	P00945	CONDUCTANCE	P00095	3174	0.55771	0.0001	7
SULFATE	0	P00945	CYANIDE	P00720	94	-0.59606	0.0001	7
SULFATE	0	P00945	DEPTH-BELOW-LAN	P72019	1043	0.06451	0.0372	7
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	2218	0.78654	0.0001	7
SULFATE	0	P00945	HARDNESS	P00900	3225	0.47671	0.0001	7
SULFATE	0	P00945	IRON	P01046	2547	-0.05958	0.0026	7
SULFATE	0	P00945	NICKEL	P01065	1105	0.14859	0.0001	7
SULFATE	0	P00945	NICKEL	P01067	137	0.30241	0.0003	7
SULFATE	0	P00945	NITRITE	P00615	152	0.31845	0.0001	7
SULFATE	0	P00945	PH	P00400	3159	0.04283	0.0161	7
SULFATE	0	P00945	RADIUM-226	P09510	11	0.64297	0.0328	7
SULFATE	0	P00945	RADIUM-226	P76001	11	0.62968	0.0379	7
SULFATE	0	P00945	SELENIUM	P01145	884	0.64767	0.0001	7
SULFATE	0	P00945	THALLIUM	P01059	129	-0.18181	0.0392	7
SULFATE	0	P00945	URANIUM-235	P22620	6	0.91075	0.0116	7
SULFATE	0	P00945	URANIUM-238	P22603	6	0.9019	0.014	7
SULFATE	0	P00945	WELL-DEPTH	P72008	2761	0.11065	0.0001	7
SULFATE	25	P00945	ANTIMONY	P01095	107	-0.26468	0.0059	7
SULFATE	25	P00945	ANTIMONY	P01097	68	-0.26013	0.0322	7
SULFATE	25	P00945	BARIUM	P01005	558	-0.25687	0.0001	7
SULFATE	25	P00945	BERYLLIUM	P01010	558	0.1167	0.0058	7
SULFATE	25	P00945	CADMIUM	P01025	629	0.1748	0.0001	7
SULFATE	25	P00945	CADMIUM	P01027	55	0.42646	0.0012	7
SULFATE	25	P00945	CONDUCTANCE	P00095	2255	0.57049	0.0001	7
SULFATE	25	P00945	CYANIDE	P00720	36	-0.40718	0.0137	7
SULFATE	25	P00945	DEPTH-BELOW-LAN	P72019	684	0.10463	0.0062	7
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1469	0.83509	0.0001	7
SULFATE	25	P00945	HARDNESS	P00900	2297	0.5524	0.0001	7
SULFATE	25	P00945	NICKEL	P01065	629	0.15814	0.0001	7
SULFATE	25	P00945	NICKEL	P01067	75	0.42566	0.0001	7
SULFATE	25	P00945	SELENIUM	P01145	494	0.65933	0.0001	7
SULFATE	25	P00945	SELENIUM	P01147	75	-0.3768	0.0009	7
SULFATE	25	P00945	THALLIUM	P01059	68	-0.45627	0.0001	7
SULFATE	25	P00945	URANIUM-235	P22620	6	0.91075	0.0116	7
SULFATE	25	P00945	URANIUM-238	P22603	6	0.9019	0.014	7

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	WELL-DEPTH	P72008	1984	0.19918	0.0001	
SULFATE	120	P00945	BERYLLIUM	P01010	115	0.35733	0.0001	7
SULFATE	120	P00945	CADMIUM	P01027	30	0.39908	0.0289	7
SULFATE	120	P00945	CHROMIUM	P01030	120	-0.2988	0.0009	7
SULFATE	120	P00945	CHROMIUM	P01034	34	-0.43509	0.0101	7
SULFATE	120	P00945	CONDUCTANCE	P00095	1029	0.69106	0.0001	7
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	533	-0.28815	0.0001	7
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	460	0.88071	0.0001	7
SULFATE	120	P00945	HARDNESS	P00900	1052	0.74702	0.0001	7
SULFATE	120	P00945	MANGANESE	P01056	508	0.10092	0.0229	7
SULFATE	120	P00945	NICKEL	P01067	34	0.41589	0.0144	7
SULFATE	120	P00945	PH	P00400	1037	-0.13473	0.0001	7
SULFATE	120	P00945	SELENIUM	P01145	82	0.80473	0.0001	7
SULFATE	120	P00945	SELENIUM	P01147	34	-0.36564	0.0335	7
SULFATE	120	P00945	THALLIUM	P01059	34	-0.36564	0.0335	7
SULFATE	120	P00945	URANIUM-235	P22620	6	0.91075	0.0116	7
SULFATE	120	P00945	URANIUM-238	P22603	6	0.9019	0.014	7
SULFATE	120	P00945	WELL-DEPTH	P72008	960	0.22296	0.0001	7
SULFATE	150	P00945	BERYLLIUM	P01010	99	0.32213	0.0011	7
SULFATE	150	P00945	CADMIUM	P01027	30	0.39908	0.0289	7
SULFATE	150	P00945	CHROMIUM	P01030	103	-0.33066	0.0006	7
SULFATE	150	P00945	CHROMIUM	P01034	34	-0.43509	0.0101	7
SULFATE	150	P00945	CONDUCTANCE	P00095	913	0.74562	0.0001	7
SULFATE	150	P00945	DEPTH-BELOW-LAN	P72019	221	0.23346	0.0005	7
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	468	-0.28827	0.0001	7
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	399	0.93417	0.0001	
SULFATE	150	P00945	HARDNESS	P00900	932	0.75525	0.0001	7
SULFATE	150	P00945	MANGANESE	P01056	443	0.0975	0.0402	7
SULFATE	150	P00945	NICKEL	P01067	34	0.41589	0.0144	7
SULFATE	150	P00945	PH	P00400	919	-0.14355	0.0001	7
SULFATE	150	P00945	SELENIUM	P01145	66	0.87151	0.0001	7
SULFATE	150	P00945	SELENIUM	P01147	34	-0.36564	0.0335	7
SULFATE	150	P00945	THALLIUM	P01059	34	-0.36564	0.0335	7
SULFATE	150	P00945	TURBIDITY	P00076	35	0.37778	0.0253	7
SULFATE	150	P00945	URANIUM-235	P22620	6	0.91075	0.0116	7
SULFATE	150	P00945	URANIUM-238	P22603	6	0.9019	0.014	7
SULFATE	150	P00945	WELL-DEPTH	P72008	845	0.22938	0.0001	7
SULFATE	250	P00945	BERYLLIUM	P01010	47	0.51463	0.0002	7
SULFATE	250	P00945	CADMIUM	P01027	20	0.47172	0.0357	7
SULFATE	250	P00945	CHROMIUM	P01030	50	-0.40816	0.0033	7
SULFATE	250	P00945	CONDUCTANCE	P00095	274	0.86533	0.0001	7
SULFATE	250	P00945	DEPTH-BELOW-LAN	P72019	100	0.38952	0.0001	7
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	200	0.96134	0.0001	7
SULFATE	250	P00945	HARDNESS	P00900	278	0.70314	0.0001	7
SULFATE	250	P00945	SELENIUM	P01145	25	0.91993	0.0001	7
SULFATE	250	P00945	WELL-DEPTH	P72008	245	0.26065	0.0001	7
SULFATE	500	P00945	ANTIMONY	P01095	4	0.97558	0.0244	7
SULFATE	500	P00945	BERYLLIUM	P01010	8	0.89	0.0031	7
SULFATE	500	P00945	CONDUCTANCE	P00095	36	0.90251	0.0001	7
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	35	0.97629	0.0001	7
SULFATE	500	P00945	HARDNESS	P00900	36	0.55465	0.0004	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
THALLIUM	0	P01057	CONDUCTANCE	P00095	119	0.27914	0.0021	7
THALLIUM	0	P01059	HARDNESS	P00900	128	-0.28597	0.0011	7
THALLIUM	0	P01059	PH	P00400	130	-0.18768	0.0325	7
THALLIUM	0	P01059	WELL-DEPTH	P72008	79	-0.30761	0.0058	7
URANIUM-235	0	P22620	ANTIMONY	P01095	6	0.89075	0.0173	7
URANIUM-235	0	P22620	BERYLLIUM	P01010	6	0.89075	0.0173	7
URANIUM-235	0	P22620	CADMIUM	P01025	6	0.89075	0.0173	7
URANIUM-235	0	P22620	CHROMIUM	P01030	6	0.89075	0.0173	7
URANIUM-235	0	P22620	CONDUCTANCE	P00095	6	0.89633	0.0156	7
URANIUM-235	0	P22620	DISSOLVED-SOLID	P70301	6	0.90088	0.0143	7
URANIUM-235	0	P22620	HARDNESS	P00900	6	0.88906	0.0178	7
URANIUM-235	0	P22620	NICKEL	P01065	6	0.87051	0.0241	7
URANIUM-235	0	P22620	SELENIUM	P01145	6	0.93025	0.0071	7
URANIUM-235	0	P22620	URANIUM-238	P22603	6	0.99945	0.0001	7
URANIUM-238	0	P22603	ANTIMONY	P01095	6	0.88346	0.0196	7
URANIUM-238	0	P22603	BERYLLIUM	P01010	6	0.88346	0.0196	7
URANIUM-238	0	P22603	CADMIUM	P01025	6	0.88346	0.0196	7
URANIUM-238	0	P22603	CHROMIUM	P01030	6	0.88346	0.0196	7
URANIUM-238	0	P22603	CONDUCTANCE	P00095	6	0.88688	0.0185	7
URANIUM-238	0	P22603	DISSOLVED-SOLID	P70301	6	0.89195	0.0169	7
URANIUM-238	0	P22603	HARDNESS	P00900	6	0.88038	0.0206	7
URANIUM-238	0	P22603	NICKEL	P01065	6	0.86962	0.0244	7
URANIUM-238	0	P22603	SELENIUM	P01145	6	0.93146	0.0069	7
URANIUM-238	5	P22603	ANTIMONY	P01095	6	0.88346	0.0196	7
URANIUM-238	5	P22603	BERYLLIUM	P01010	6	0.88346	0.0196	7
URANIUM-238	5	P22603	CADMIUM	P01025	6	0.88346	0.0196	7
URANIUM-238	5	P22603	CHROMIUM	P01030	6	0.88346	0.0196	7
URANIUM-238	5	P22603	CONDUCTANCE	P00095	6	0.88688	0.0185	7
URANIUM-238	5	P22603	DISSOLVED-SOLID	P70301	6	0.89195	0.0169	7
URANIUM-238	5	P22603	HARDNESS	P00900	6	0.88038	0.0206	7
URANIUM-238	5	P22603	NICKEL	P01065	6	0.86962	0.0244	7
URANIUM-238	5	P22603	SELENIUM	P01145	6	0.93146	0.0069	7
URANIUM-238	5	P22603	SULFATE	P00945	6	0.9019	0.014	7
URANIUM-238	5	P22603	URANIUM-235	P22620	6	0.99945	0.0001	7
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	5743	-0.11154	0.0001	7
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	1256	0.65766	0.0001	7
WELL-DEPTH	0	P72008	PH	P00400	5748	0.12895	0.0001	7
WELL-DEPTH	0	P72008	TURBIDITY	P00076	196	-0.16646	0.0197	7
ALKALINITY	0	P39036	CONDUCTANCE	P00095	43	0.83435	0.0001	8
ANTIMONY	0	P01095	BERYLLIUM	P01010	513	0.14987	0.0007	8
ANTIMONY	0	P01095	CADMIUM	P01025	518	0.10294	0.0191	8
ANTIMONY	0	P01095	CHROMIUM	P01030	518	0.17007	0.0001	8
ANTIMONY	0	P01095	CONDUCTANCE	P00095	444	0.24587	0.0001	8
ANTIMONY	0	P01095	DEPTH-BELOW-LAN	P72019	105	0.21329	0.0289	8
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	355	0.16437	0.0019	8
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	480	0.31739	0.0001	8
ANTIMONY	0	P01095	HARDNESS	P00900	517	0.13484	0.0021	8
ANTIMONY	0	P01095	IRON	P01046	517	0.1349	0.0021	8
ANTIMONY	0	P01095	MANGANESE	P01055	21	0.66993	0.0009	8
ANTIMONY	0	P01095	MANGANESE	P01056	518	0.10517	0.0166	8
ANTIMONY	0	P01095	NICKEL	P01065	518	0.12557	0.0042	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	0	P01095	PH	P00400	443	0.13523	0.0044	8
ANTIMONY	0	P01095	THALLIUM	P01057	56	0.91288	0.0001	8
ANTIMONY	0	P01095	WELL-DEPTH	P72008	366	-0.10257	0.0499	8
ARSENIC	0	P01000	ALKALINITY	P39036	44	0.52052	0.0003	8
ARSENIC	0	P01000	ANTIMONY	P01095	483	0.30623	0.0001	8
ARSENIC	0	P01000	ANTIMONY	P01097	14	0.98864	0.0001	8
ARSENIC	0	P01002	ANTIMONY	P01097	14	0.8975	0.0001	8
ARSENIC	0	P01000	BARIUM	P01005	771	0.09213	0.0105	8
ARSENIC	0	P01000	BERYLLIUM	P01010	752	-0.07648	0.036	8
ARSENIC	0	P01000	CHROMIUM	P01030	887	0.08067	0.0163	8
ARSENIC	0	P01000	CONDUCTANCE	P00095	969	-0.09881	0.0021	8
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	1026	-0.10385	0.0009	8
ARSENIC	0	P01000	HARDNESS	P00900	1057	-0.12267	0.0001	8
ARSENIC	0	P01000	MERCURY	P71890	336	0.10852	0.0469	8
ARSENIC	0	P01000	PH	P00400	963	0.13918	0.0001	8
ARSENIC	0	P01000	SELENIUM	P01145	989	-0.07809	0.014	8
ARSENIC	0	P01000	SULFATE	P00945	1060	-0.11364	0.0002	8
ARSENIC	2	P01000	ALKALINITY	P39036	33	0.3945	0.0231	8
ARSENIC	2	P01000	ANTIMONY	P01095	196	0.29934	0.0001	8
ARSENIC	2	P01000	ANTIMONY	P01097	5	0.99428	0.0005	8
ARSENIC	2	P01002	ANTIMONY	P01097	7	0.95316	0.0009	8
ARSENIC	2	P01000	BERYLLIUM	P01010	291	0.12551	0.0323	8
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	346	-0.17986	0.0008	8
ARSENIC	2	P01002	IRON	P01045	7	0.99808	0.0001	8
ARSENIC	2	P01000	MERCURY	P71890	208	0.17233	0.0128	8
ARSENIC	2	P01000	NITRITE	P00613	238	0.18985	0.0033	8
ARSENIC	2	P01002	PH	P00400	14	-0.54959	0.0418	8
ARSENIC	2	P01002	SELENIUM	P01147	6	0.85863	0.0286	8
ARSENIC	5	P01000	ANTIMONY	P01095	81	0.40999	0.0001	8
ARSENIC	5	P01002	ANTIMONY	P01097	4	0.9802	0.0198	8
ARSENIC	5	P01000	BERYLLIUM	P01010	147	0.34745	0.0001	8
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	194	-0.23794	0.0008	8
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	3	1	0.0001	8
ARSENIC	5	P01000	NITRITE	P00613	123	0.18262	0.0432	8
ARSENIC	10	P01000	ANTIMONY	P01095	44	0.45587	0.0019	8
ARSENIC	10	P01000	BERYLLIUM	P01010	67	0.39459	0.001	8
ARSENIC	10	P01000	CADMIUM	P01025	100	0.21794	0.0294	8
ARSENIC	10	P01000	DISSOLVED-OXYGE	P00300	94	-0.28326	0.0057	8
ARSENIC	10	P01000	RADON	P76002	6	-0.83185	0.04	8
ARSENIC	20	P01000	ANTIMONY	P01095	22	0.56012	0.0067	8
BARIUM	0	P01005	CADMIUM	P01027	84	-0.32093	0.0029	8
BARIUM	0	P01005	CONDUCTANCE	P00095	789	0.25225	0.0001	8
BARIUM	0	P01007	CONDUCTANCE	P00095	12	0.72768	0.0073	8
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	817	0.21571	0.0001	8
BARIUM	0	P01005	HARDNESS	P00900	874	0.14717	0.0001	8
BARIUM	0	P01005	IRON	P01045	31	0.50744	0.0036	8
BARIUM	0	P01007	WELL-DEPTH	P72008	10	0.92488	0.0001	8
BERYLLIUM	0	P01010	CADMIUM	P01027	84	0.63562	0.0001	8
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	713	0.57391	0.0001	8
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	755	0.58013	0.0001	8
BERYLLIUM	0	P01010	HARDNESS	P00900	797	0.59598	0.0001	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01010	IRON	P01046	798	0.50206	0.0001	8
BERYLLIUM	0	P01010	IRON	P01047	14	0.98197	0.0001	8
BERYLLIUM	0	P01010	MANGANESE	P01055	21	0.84018	0.0001	8
BERYLLIUM	0	P01010	MANGANESE	P01056	798	0.33121	0.0001	8
BERYLLIUM	0	P01010	MERCURY	P71890	148	0.29943	0.0002	8
BERYLLIUM	0	P01010	NICKEL	P01065	797	0.08671	0.0143	8
BERYLLIUM	0	P01010	NITRITE	P00613	433	0.46826	0.0001	8
BERYLLIUM	0	P01010	PH	P00400	709	-0.09881	0.0085	8
BERYLLIUM	0	P01010	SELENIUM	P01145	707	0.59944	0.0001	8
BERYLLIUM	0	P01010	THALLIUM	P01057	112	0.98097	0.0001	8
BERYLLIUM	0	P01010	WELL-DEPTH	P72008	592	-0.1564	0.0001	8
BERYLLIUM	4	P01010	ARSENIC	P01000	92	-0.25547	0.014	8
BERYLLIUM	4	P01010	CADMIUM	P01025	96	0.5162	0.0001	8
BERYLLIUM	4	P01010	DISSOLVED-OXYGE	P00300	49	0.37799	0.0074	8
BERYLLIUM	4	P01010	IRON	P01046	96	0.95903	0.0001	8
BERYLLIUM	4	P01010	MANGANESE	P01056	95	0.89947	0.0001	8
BERYLLIUM	4	P01010	NICKEL	P01065	96	0.65086	0.0001	8
BERYLLIUM	4	P01010	PH	P00400	89	-0.3552	0.0006	8
BERYLLIUM	4	P01010	SELENIUM	P01145	92	0.21513	0.0395	8
BERYLLIUM	4	P01010	WELL-DEPTH	P72008	92	0.30899	0.0027	8
CADMIUM	0	P01027	CHROMIUM	P01030	84	-0.43697	0.0001	8
CADMIUM	0	P01027	CHROMIUM	P01034	21	0.92133	0.0001	8
CADMIUM	0	P01025	DEPTH-BELOW-LAN	P72019	238	0.21096	0.0011	8
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	85	0.46135	0.0001	8
CADMIUM	0	P01027	HARDNESS	P00900	86	0.53958	0.0001	8
CADMIUM	0	P01025	IRON	P01046	1019	0.08325	0.0078	8
CADMIUM	0	P01027	IRON	P01046	84	0.52203	0.0001	8
CADMIUM	0	P01025	MANGANESE	P01055	21	0.79094	0.0001	8
CADMIUM	0	P01025	MANGANESE	P01056	1021	0.71746	0.0001	8
CADMIUM	0	P01027	MANGANESE	P01055	22	0.49318	0.0197	8
CADMIUM	0	P01027	MANGANESE	P01056	86	0.57669	0.0001	8
CADMIUM	0	P01025	MERCURY	P71890	268	0.14213	0.0199	8
CADMIUM	0	P01025	NICKEL	P01065	911	0.9152	0.0001	8
CADMIUM	0	P01027	NICKEL	P01065	84	0.46114	0.0001	8
CADMIUM	0	P01027	NICKEL	P01067	21	0.99976	0.0001	8
CADMIUM	0	P01025	NITRITE	P00613	639	0.09284	0.0189	8
CADMIUM	0	P01025	PH	P00400	881	-0.1841	0.0001	8
CADMIUM	0	P01027	SELENIUM	P01145	77	-0.25411	0.0257	8
CADMIUM	0	P01025	THALLIUM	P01057	112	0.97616	0.0001	8
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	15	0.83896	0.0001	8
CADMIUM	5	P01025	HARDNESS	P00900	21	0.60208	0.0039	8
CADMIUM	5	P01025	MANGANESE	P01056	21	0.72514	0.0002	8
CADMIUM	5	P01025	MERCURY	P71890	4	-1	0.0001	8
CADMIUM	5	P01025	NICKEL	P01065	19	0.96298	0.0001	8
CADMIUM	5	P01025	RADON	P82303	6	-0.8542	0.0303	8
CADMIUM	5	P01025	SULFATE	P00945	21	0.82166	0.0001	8
CHROMIUM	0	P01030	ALKALINITY	P39036	44	0.402	0.0068	8
CHROMIUM	0	P01030	DEPTH-BELOW-LAN	P72019	238	0.156	0.016	8
CHROMIUM	0	P01030	HARDNESS	P00900	1024	0.12146	0.0001	8
CHROMIUM	0	P01030	MERCURY	P71890	265	0.61811	0.0001	8
CHROMIUM	0	P01030	NICKEL	P01065	911	0.21303	0.0001	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01034	NICKEL	P01067	21	0.92102	0.0001	8
CHROMIUM	0	P01030	SELENIUM	P01147	12	0.72547	0.0076	8
CHROMIUM	0	P01034	SELENIUM	P01147	12	0.70291	0.0108	8
CHROMIUM	0	P01030	THALLIUM	P01057	112	0.40802	0.0001	8
CHROMIUM	100	P01030	DISSOLVED-OXYGE	P00300	4	0.9684	0.0316	8
CHROMIUM	100	P01030	WELL-DEPTH	P72008	9	0.79372	0.0107	8
CYANIDE	0	P00720	CONDUCTANCE	P00095	15	0.77898	0.0006	8
DEPTH-BELOW-LAN	0	P72019	DISSOLVED-OXYGE	P00300	638	0.07769	0.0498	8
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	2169	-0.05371	0.0124	8
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	43	0.77592	0.0001	8
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	2089	0.97987	0.0001	8
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	2307	0.88293	0.0001	8
DISSOLVED-SOLID	0	P70301	PH	P00400	2137	-0.28182	0.0001	8
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	1894	-0.09316	0.0001	8
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	38	0.69298	0.0001	8
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	192	0.43526	0.0001	8
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	555	-0.12615	0.0029	8
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	428	0.30494	0.0001	8
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	383	0.5351	0.0001	8
DISSOLVED-SOLID	500	P70301	CADMIUM	P01027	14	0.81018	0.0004	8
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	467	-0.13262	0.0041	8
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01034	8	0.76733	0.0263	8
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	1116	0.97854	0.0001	8
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	1298	0.88161	0.0001	8
DISSOLVED-SOLID	500	P70301	IRON	P01045	24	0.59102	0.0024	8
DISSOLVED-SOLID	500	P70301	IRON	P01046	1078	0.07023	0.0211	8
DISSOLVED-SOLID	500	P70301	IRON	P01047	22	0.56562	0.0061	8
DISSOLVED-SOLID	500	P70301	MANGANESE	P01054	5	-0.8818	0.0479	8
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	8	0.92439	0.001	8
DISSOLVED-SOLID	500	P70301	NICKEL	P01067	8	0.76521	0.0269	8
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	249	0.22959	0.0003	8
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	566	0.43804	0.0001	8
DISSOLVED-SOLID	500	P70301	PH	P00400	1171	-0.33454	0.0001	8
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	641	0.13004	0.001	8
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	1298	0.311	0.0001	8
DISSOLVED-SOLID	500	P70301	THALLIUM	P01057	46	0.32219	0.029	8
DISSOLVED-SOLID	500	P70301	URANIUM-235	P22620	26	0.69261	0.0001	8
DISSOLVED-SOLID	500	P70301	URANIUM-238	P22603	26	0.74764	0.0001	8
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	1137	-0.11033	0.0002	8
HARDNESS	0	P00900	CONDUCTANCE	P00095	3087	0.65426	0.0001	8
HARDNESS	0	P00900	PH	P00400	3120	-0.23033	0.0001	8
HARDNESS	0	P00900	WELL-DEPTH	P72008	2772	-0.09376	0.0001	8
HARDNESS	300	P00900	ANTIMONY	P01095	200	0.28789	0.0001	8
HARDNESS	300	P00900	ARSENIC	P01000	484	-0.13864	0.0022	8
HARDNESS	300	P00900	BARIUM	P01005	392	0.20913	0.0001	8
HARDNESS	300	P00900	BERYLLIUM	P01010	354	0.53939	0.0001	8
HARDNESS	300	P00900	CADMIUM	P01027	9	0.77991	0.0132	8
HARDNESS	300	P00900	CONDUCTANCE	P00095	1278	0.62818	0.0001	8
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	1208	0.88256	0.0001	8
HARDNESS	300	P00900	IRON	P01045	22	0.80013	0.0001	8
HARDNESS	300	P00900	IRON	P01046	1228	0.35905	0.0001	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	300	P00900	MANGANESE	P01055	7	0.86421	0.0121	8
HARDNESS	300	P00900	MANGANESE	P01056	1211	0.37344	0.0001	8
HARDNESS	300	P00900	NITRATE	P00618	274	0.23296	0.0001	8
HARDNESS	300	P00900	NITRITE	P00613	642	0.33002	0.0001	8
HARDNESS	300	P00900	NITRITE	P00615	18	0.51259	0.0296	8
HARDNESS	300	P00900	PH	P00400	1325	-0.39297	0.0001	8
HARDNESS	300	P00900	RADIUM-226	P09510	3	-0.99846	0.0353	8
HARDNESS	300	P00900	SELENIUM	P01145	586	0.1829	0.0001	8
HARDNESS	300	P00900	SULFATE	P00945	1388	0.55785	0.0001	8
HARDNESS	300	P00900	THALLIUM	P01057	34	-0.3553	0.0392	8
HARDNESS	300	P00900	URANIUM-235	P22620	23	0.65865	0.0006	8
HARDNESS	300	P00900	URANIUM-238	P22603	23	0.67342	0.0004	8
HARDNESS	300	P00900	WELL-DEPTH	P72008	1300	-0.101	0.0003	8
IRON	0	P01046	ALKALINITY	P39036	44	0.53829	0.0002	8
IRON	0	P01046	CONDUCTANCE	P00095	2669	0.11108	0.0001	8
IRON	0	P01047	CONDUCTANCE	P00095	34	0.35342	0.0403	8
IRON	0	P01045	DISSOLVED-SOLID	P70301	34	0.63919	0.0001	8
IRON	0	P01046	DISSOLVED-SOLID	P70301	1933	0.08454	0.0002	8
IRON	0	P01047	DISSOLVED-SOLID	P70301	29	0.58847	0.0008	8
IRON	0	P01045	HARDNESS	P00900	36	0.79527	0.0001	8
IRON	0	P01046	HARDNESS	P00900	2825	0.34922	0.0001	8
IRON	0	P01047	HARDNESS	P00900	33	0.39789	0.0218	8
IRON	0	P01045	MANGANESE	P01055	14	0.94576	0.0001	8
IRON	0	P01045	MANGANESE	P01056	36	0.95974	0.0001	8
IRON	0	P01046	MANGANESE	P01055	22	0.62795	0.0018	8
IRON	0	P01046	MANGANESE	P01056	2815	0.89128	0.0001	8
IRON	0	P01047	MANGANESE	P01056	33	0.732	0.0001	8
IRON	0	P01046	NICKEL	P01065	910	0.30204	0.0001	8
IRON	0	P01046	NICKEL	P01067	21	0.43967	0.0461	8
IRON	0	P01047	NICKEL	P01065	14	0.71587	0.004	8
IRON	0	P01046	NITRITE	P00615	64	0.53366	0.0001	8
IRON	0	P01045	PH	P00400	51	-0.90548	0.0001	8
IRON	0	P01046	PH	P00400	2642	-0.27868	0.0001	8
IRON	0	P01046	THALLIUM	P01057	112	0.51771	0.0001	8
IRON	0	P01045	TURBIDITY	P00076	7	0.98842	0.0001	8
IRON	0	P01046	WELL-DEPTH	P72008	2477	-0.05389	0.0073	8
IRON	300	P01045	BARIUM	P01005	19	0.60372	0.0062	8
IRON	300	P01046	BERYLLIUM	P01010	146	0.69254	0.0001	8
IRON	300	P01047	BERYLLIUM	P01010	8	0.98569	0.0001	8
IRON	300	P01046	CONDUCTANCE	P00095	950	0.14844	0.0001	8
IRON	300	P01047	CONDUCTANCE	P00095	22	0.43918	0.0409	8
IRON	300	P01045	DISSOLVED-SOLID	P70301	19	0.81929	0.0001	8
IRON	300	P01047	DISSOLVED-SOLID	P70301	19	0.77751	0.0001	8
IRON	300	P01045	HARDNESS	P00900	21	0.79542	0.0001	8
IRON	300	P01046	HARDNESS	P00900	988	0.62526	0.0001	8
IRON	300	P01045	MANGANESE	P01055	6	0.94692	0.0042	8
IRON	300	P01045	MANGANESE	P01056	21	0.95802	0.0001	8
IRON	300	P01046	MANGANESE	P01056	988	0.89284	0.0001	8
IRON	300	P01047	MANGANESE	P01056	22	0.7139	0.0002	8
IRON	300	P01046	NICKEL	P01065	168	0.28414	0.0002	8
IRON	300	P01047	NICKEL	P01065	8	0.83326	0.0102	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01045	PH	P00400	25	-0.93573	0.0001	8
IRON	300	P01046	PH	P00400	960	-0.4509	0.0001	8
IRON	300	P01045	SULFATE	P00945	21	0.98578	0.0001	8
IRON	300	P01046	SULFATE	P00945	540	0.85314	0.0001	8
IRON	2500	P01046	BERYLLIUM	P01010	49	0.70416	0.0001	8
IRON	2500	P01047	BERYLLIUM	P01010	4	0.9987	0.0013	8
IRON	2500	P01046	DISSOLVED-OXYGE	P00300	93	0.54083	0.0001	8
IRON	2500	P01045	DISSOLVED-SOLID	P70301	11	0.72164	0.0122	8
IRON	2500	P01047	DISSOLVED-SOLID	P70301	12	0.87895	0.0002	8
IRON	2500	P01045	HARDNESS	P00900	13	0.78996	0.0013	8
IRON	2500	P01046	HARDNESS	P00900	174	0.63176	0.0001	8
IRON	2500	P01045	MANGANESE	P01056	13	0.95512	0.0001	8
IRON	2500	P01046	MANGANESE	P01056	167	0.89183	0.0001	8
IRON	2500	P01047	MANGANESE	P01056	13	0.84589	0.0003	8
IRON	2500	P01045	PH	P00400	15	-0.95726	0.0001	8
IRON	2500	P01046	PH	P00400	161	-0.63029	0.0001	8
IRON	2500	P01045	SULFATE	P00945	13	0.98536	0.0001	8
IRON	2500	P01046	SULFATE	P00945	172	0.89303	0.0001	8
MANGANESE	0	P01056	CONDUCTANCE	P00095	2685	0.09346	0.0001	8
MANGANESE	0	P01056	DEPTH-BELOW-LAN	P72019	604	-0.12704	0.0018	8
MANGANESE	0	P01054	DISSOLVED-SOLID	P70301	5	-0.8818	0.0479	8
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	21	0.90791	0.0001	8
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	1908	0.06796	0.003	8
MANGANESE	0	P01055	HARDNESS	P00900	22	0.8337	0.0001	8
MANGANESE	0	P01056	HARDNESS	P00900	2813	0.3752	0.0001	8
MANGANESE	0	P01055	NICKEL	P01065	21	0.91787	0.0001	8
MANGANESE	0	P01055	NICKEL	P01067	21	0.48748	0.025	8
MANGANESE	0	P01056	NICKEL	P01065	910	0.8383	0.0001	8
MANGANESE	0	P01056	NICKEL	P01067	21	0.49089	0.0238	8
MANGANESE	0	P01056	PH	P00400	2660	-0.28584	0.0001	8
MANGANESE	0	P01056	THALLIUM	P01057	112	0.60351	0.0001	8
MANGANESE	0	P01056	WELL-DEPTH	P72008	2482	-0.04096	0.0413	8
MANGANESE	50	P01055	BERYLLIUM	P01010	10	0.86002	0.0014	8
MANGANESE	50	P01056	BERYLLIUM	P01010	273	0.37398	0.0001	8
MANGANESE	50	P01055	CADMIUM	P01025	10	0.77927	0.0079	8
MANGANESE	50	P01056	CADMIUM	P01025	367	0.72099	0.0001	8
MANGANESE	50	P01056	CADMIUM	P01027	12	0.60425	0.0374	8
MANGANESE	50	P01056	CONDUCTANCE	P00095	1370	0.0873	0.0012	8
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	838	0.07367	0.033	8
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	9	0.93273	0.0002	8
MANGANESE	50	P01055	HARDNESS	P00900	10	0.83094	0.0029	8
MANGANESE	50	P01056	HARDNESS	P00900	1435	0.41431	0.0001	8
MANGANESE	50	P01055	IRON	P01045	4	0.99444	0.0056	8
MANGANESE	50	P01056	IRON	P01045	22	0.95813	0.0001	8
MANGANESE	50	P01056	IRON	P01046	1443	0.89051	0.0001	8
MANGANESE	50	P01056	IRON	P01047	28	0.71727	0.0001	8
MANGANESE	50	P01056	MERCURY	P71890	135	0.22266	0.0094	8
MANGANESE	50	P01055	NICKEL	P01065	10	0.90674	0.0003	8
MANGANESE	50	P01056	NICKEL	P01065	337	0.84538	0.0001	8
MANGANESE	50	P01056	PH	P00400	1372	-0.40922	0.0001	8
MANGANESE	50	P01055	SULFATE	P00945	10	0.94215	0.0001	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01056	SULFATE	P00945	923	0.44003	0.0001	8
MANGANESE	50	P01056	THALLIUM	P01057	41	0.39544	0.0105	8
MERCURY	0	P71890	CONDUCTANCE	P00095	294	0.15861	0.0064	8
MERCURY	0	P71890	NICKEL	P01065	147	0.83937	0.0001	8
MERCURY	0	P71890	NITRITE	P00613	148	0.70796	0.0001	8
MERCURY	0	P71890	PH	P00400	286	-0.13027	0.0276	8
NICKEL	0	P01065	CONDUCTANCE	P00095	820	0.09065	0.0094	8
NICKEL	0	P01065	DEPTH-BELOW-LAN	P72019	227	0.17689	0.0076	8
NICKEL	0	P01065	HARDNESS	P00900	909	0.1054	0.0015	8
NICKEL	0	P01065	SELENIUM	P01147	12	0.7288	0.0072	8
NICKEL	0	P01067	SELENIUM	P01145	14	-0.58294	0.0287	8
NICKEL	100	P01065	CADMIUM	P01025	10	0.98163	0.0001	8
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	5	0.94406	0.0157	8
NICKEL	100	P01065	MANGANESE	P01056	9	0.76675	0.0159	8
NITRATE	0	P00618	ANTIMONY	P01095	191	-0.35706	0.0001	8
NITRATE	0	P00618	BERYLLIUM	P01010	300	0.28982	0.0001	8
NITRATE	0	P00618	CADMIUM	P01025	358	-0.10715	0.0428	8
NITRATE	0	P00618	CONDUCTANCE	P00095	1231	0.58349	0.0001	8
NITRATE	0	P00618	DEPTH-BELOW-LAN	P72019	682	-0.148	0.0001	8
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	373	-0.30389	0.0001	8
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	435	0.31979	0.0001	8
NITRATE	0	P00618	HARDNESS	P00900	646	0.35436	0.0001	8
NITRATE	0	P00618	MERCURY	P71890	41	0.53761	0.0003	8
NITRATE	0	P00618	NITRITE	P00613	627	0.24468	0.0001	8
NITRATE	0	P00618	PH	P00400	1057	0.06745	0.0283	8
NITRATE	0	P00618	SELENIUM	P01145	344	0.82855	0.0001	8
NITRATE	0	P00618	WELL-DEPTH	P72008	1032	-0.10847	0.0005	8
NITRATE	8	P00618	CONDUCTANCE	P00095	255	0.52606	0.0001	8
NITRATE	8	P00618	DEPTH-BELOW-LAN	P72019	206	-0.16631	0.0169	8
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	139	-0.37533	0.0001	8
NITRATE	8	P00618	HARDNESS	P00900	119	0.26236	0.0039	8
NITRATE	8	P00618	NITRITE	P00613	281	0.18016	0.0024	8
NITRATE	8	P00618	PH	P00400	254	-0.21231	0.0007	8
NITRATE	8	P00618	SELENIUM	P01145	82	0.81345	0.0001	8
NITRATE	10	P00618	BARIUM	P01005	73	-0.30565	0.0085	8
NITRATE	10	P00618	CONDUCTANCE	P00095	224	0.51418	0.0001	8
NITRATE	10	P00618	DEPTH-BELOW-LAN	P72019	184	-0.18382	0.0125	8
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	129	-0.40309	0.0001	8
NITRATE	10	P00618	HARDNESS	P00900	100	0.22338	0.0255	8
NITRATE	10	P00618	NITRITE	P00613	237	0.15486	0.017	8
NITRATE	10	P00618	PH	P00400	223	-0.22465	0.0007	8
NITRATE	10	P00618	SELENIUM	P01145	67	0.81081	0.0001	8
NITRITE	0	P00613	CONDUCTANCE	P00095	2153	0.56379	0.0001	8
NITRITE	0	P00615	CONDUCTANCE	P00095	63	0.45941	0.0002	8
NITRITE	0	P00613	DEPTH-BELOW-LAN	P72019	1150	-0.07373	0.0124	8
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	888	-0.13935	0.0001	8
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	1061	0.45154	0.0001	8
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	49	0.54226	0.0001	8
NITRITE	0	P00613	HARDNESS	P00900	1167	0.34726	0.0001	8
NITRITE	0	P00615	HARDNESS	P00900	64	0.44285	0.0002	8
NITRITE	0	P00613	PH	P00400	2108	-0.07256	0.0009	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00613	SELENIUM	P01145	609	0.18104	0.0001	[illegible]
NITRITE	0	P00613	WELL-DEPTH	P72008	2018	-0.04422	0.047	8
NITRITE	1	P00613	CONDUCTANCE	P00095	117	0.36446	0.0001	8
NITRITE	1	P00613	DISSOLVED-SOLID	P70301	43	0.38295	0.0113	8
NITRITE	1	P00613	SULFATE	P00945	42	0.36331	0.018	8
PH	0	P00400	ALKALINITY	P39036	44	0.38443	0.01	8
PH	0	P00400	CONDUCTANCE	P00095	5927	-0.06827	0.0001	8
PH	0	P00400	DISSOLVED-OXYGE	P00300	2172	0.0999	0.0001	8
RADIUM-226	0	P09510	DISSOLVED-OXYGE	P00300	53	-0.29481	0.0321	8
RADIUM-226	0	P09510	HARDNESS	P00900	57	0.31889	0.0156	8
RADIUM-226	0	P09510	IRON	P01046	57	0.8428	0.0001	8
RADIUM-226	0	P76001	IRON	P01046	58	0.8373	0.0001	8
RADIUM-226	0	P09511	MANGANESE	P01054	5	-0.99511	0.0004	8
RADIUM-226	0	P09510	WELL-DEPTH	P72008	34	0.51502	0.0018	8
RADIUM-226	0	P76001	WELL-DEPTH	P72008	35	0.5233	0.0013	8
RADON	0	P82303	ANTIMONY	P01095	246	-0.14089	0.0271	8
RADON	0	P82303	BERYLLIUM	P01010	260	-0.13559	0.0288	8
RADON	0	P82303	CADMIUM	P01025	270	-0.1356	0.0259	8
RADON	0	P76002	CONDUCTANCE	P00095	303	-0.21862	0.0001	8
RADON	0	P82303	CONDUCTANCE	P00095	339	-0.14556	0.0073	8
RADON	0	P82303	DEPTH-BELOW-LAN	P72019	158	-0.16648	0.0366	8
RADON	0	P76002	DISSOLVED-SOLID	P70301	260	-0.28208	0.0001	8
RADON	0	P82303	DISSOLVED-SOLID	P70301	292	-0.17231	0.0031	8
RADON	0	P76002	HARDNESS	P00900	262	-0.26467	0.0001	8
RADON	0	P82303	HARDNESS	P00900	298	-0.16336	0.0047	8
RADON	0	P76002	MANGANESE	P01056	252	-0.14181	0.0244	[illegible]
RADON	0	P76002	NICKEL	P01065	230	-0.18179	0.0057	8
RADON	0	P76002	NITRITE	P00613	268	-0.1439	0.0184	8
RADON	100	P82303	ANTIMONY	P01095	245	-0.14205	0.0262	8
RADON	100	P82303	BERYLLIUM	P01010	259	-0.13665	0.0279	8
RADON	100	P82303	CADMIUM	P01025	269	-0.13649	0.0252	8
RADON	100	P82303	CONDUCTANCE	P00095	338	-0.14734	0.0067	8
RADON	100	P82303	DEPTH-BELOW-LAN	P72019	158	-0.16648	0.0366	8
RADON	100	P82303	DISSOLVED-SOLID	P70301	291	-0.1744	0.0028	8
RADON	100	P82303	HARDNESS	P00900	297	-0.16555	0.0042	8
RADON	100	P76002	SELENIUM	P01145	4	0.96225	0.0377	8
RADON	100	P76002	SULFATE	P00945	5	0.88219	0.0477	8
RADON	100	P82303	SULFATE	P00945	297	-0.15827	0.0063	8
RADON	300	P82303	CADMIUM	P01025	249	-0.14448	0.0226	8
RADON	300	P82303	CONDUCTANCE	P00095	310	-0.14317	0.0116	8
RADON	300	P82303	DISSOLVED-SOLID	P70301	268	-0.16458	0.0069	8
RADON	300	P82303	HARDNESS	P00900	274	-0.15452	0.0104	8
RADON	300	P82303	SULFATE	P00945	274	-0.15105	0.0123	8
RADON	300	P82303	WELL-DEPTH	P72008	273	0.39061	0.0001	8
RADON	500	P82303	CADMIUM	P01025	214	-0.15647	0.022	8
RADON	500	P82303	CONDUCTANCE	P00095	274	-0.13154	0.0295	8
RADON	500	P82303	DISSOLVED-SOLID	P70301	231	-0.13823	0.0358	8
RADON	500	P82303	HARDNESS	P00900	238	-0.12864	0.0474	8
RADON	500	P82303	WELL-DEPTH	P72008	235	0.40368	0.0001	8
RADON	1000	P82303	WELL-DEPTH	P72008	123	0.44306	0.0001	8
RADON	3000	P82303	BARIUM	P01005	27	0.55075	0.0029	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
RADON	3000	P82303	CONDUCTANCE	P00095	33	0.44144	0.0101	8
RADON	3000	P82303	DISSOLVED-SOLID	P70301	30	0.64517	0.0001	8
RADON	3000	P82303	HARDNESS	P00900	30	0.60818	0.0004	8
RADON	3000	P82303	SELENIUM	P01145	27	0.76897	0.0001	8
RADON	3000	P82303	SULFATE	P00945	30	0.4694	0.0089	8
RADON	3000	P82303	WELL-DEPTH	P72008	29	0.56652	0.0014	8
SELENIUM	0	P01145	ALKALINITY	P39036	44	0.61127	0.0001	8
SELENIUM	0	P01145	CONDUCTANCE	P00095	1386	0.33788	0.0001	8
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	681	-0.12363	0.0012	8
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	1101	0.14597	0.0001	8
SELENIUM	0	P01145	HARDNESS	P00900	1137	0.19565	0.0001	8
SELENIUM	0	P01145	THALLIUM	P01057	112	0.31915	0.0006	8
SELENIUM	50	P01145	CONDUCTANCE	P00095	333	0.44024	0.0001	8
SELENIUM	50	P01145	DEPTH-BELOW-LAN	P72019	88	-0.26036	0.0143	8
SELENIUM	50	P01145	MERCURY	P71890	4	-0.99087	0.0091	8
SELENIUM	50	P01145	NITRATE	P00618	46	0.87755	0.0001	8
SELENIUM	50	P01145	WELL-DEPTH	P72008	211	-0.15837	0.0214	8
SULFATE	0	P00945	ALKALINITY	P39036	44	0.38932	0.009	8
SULFATE	0	P00945	ANTIMONY	P01095	517	0.21785	0.0001	8
SULFATE	0	P00945	BERYLLIUM	P01010	795	0.58322	0.0001	8
SULFATE	0	P00945	CADMIUM	P01027	86	0.55363	0.0001	8
SULFATE	0	P00945	CONDUCTANCE	P00095	2999	0.40797	0.0001	8
SULFATE	0	P00945	DEPTH-BELOW-LAN	P72019	991	-0.07419	0.0195	8
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	2307	0.34967	0.0001	8
SULFATE	0	P00945	HARDNESS	P00900	2856	0.6059	0.0001	8
SULFATE	0	P00945	IRON	P01045	36	0.98445	0.0001	8
SULFATE	0	P00945	IRON	P01046	2305	0.3676	0.0001	8
SULFATE	0	P00945	MANGANESE	P01055	22	0.93934	0.0001	8
SULFATE	0	P00945	MANGANESE	P01056	2281	0.37758	0.0001	8
SULFATE	0	P00945	NICKEL	P01065	907	0.0751	0.0237	8
SULFATE	0	P00945	NITRATE	P00618	1145	0.35318	0.0001	8
SULFATE	0	P00945	NITRITE	P00613	1186	0.44196	0.0001	8
SULFATE	0	P00945	NITRITE	P00615	64	0.49807	0.0001	8
SULFATE	0	P00945	PH	P00400	2855	-0.09951	0.0001	8
SULFATE	0	P00945	RADIUM-226	P09510	57	0.3083	0.0196	8
SULFATE	0	P00945	RADON	P76002	262	-0.234	0.0001	8
SULFATE	0	P00945	RADON	P82303	298	-0.15702	0.0066	8
SULFATE	0	P00945	SELENIUM	P01145	1132	0.11573	0.0001	8
SULFATE	0	P00945	THALLIUM	P01057	112	0.6631	0.0001	8
SULFATE	0	P00945	URANIUM-235	P22620	29	0.74027	0.0001	8
SULFATE	0	P00945	URANIUM-238	P22603	29	0.78214	0.0001	8
SULFATE	0	P00945	WELL-DEPTH	P72008	2644	-0.12016	0.0001	8
SULFATE	25	P00945	ALKALINITY	P39036	44	0.38932	0.009	8
SULFATE	25	P00945	ANTIMONY	P01095	334	0.22621	0.0001	8
SULFATE	25	P00945	ARSENIC	P01000	779	-0.1373	0.0001	8
SULFATE	25	P00945	BERYLLIUM	P01010	578	0.57005	0.0001	8
SULFATE	25	P00945	CADMIUM	P01027	59	0.53197	0.0001	8
SULFATE	25	P00945	CONDUCTANCE	P00095	1951	0.38257	0.0001	8
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1800	0.33603	0.0001	8
SULFATE	25	P00945	HARDNESS	P00900	2145	0.59005	0.0001	8
SULFATE	25	P00945	IRON	P01045	28	0.98411	0.0001	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	IRON	P01046	1820	0.37095	0.0001	8
SULFATE	25	P00945	MANGANESE	P01055	14	0.93629	0.0001	8
SULFATE	25	P00945	MANGANESE	P01056	1796	0.37869	0.0001	8
SULFATE	25	P00945	NITRATE	P00618	403	0.26823	0.0001	8
SULFATE	25	P00945	NITRITE	P00613	901	0.43677	0.0001	8
SULFATE	25	P00945	NITRITE	P00615	45	0.54504	0.0001	8
SULFATE	25	P00945	PH	P00400	1972	-0.29279	0.0001	8
SULFATE	25	P00945	RADIUM-226	P09510	40	0.32649	0.0398	8
SULFATE	25	P00945	SELENIUM	P01145	861	0.10833	0.0015	8
SULFATE	25	P00945	THALLIUM	P01057	88	0.61009	0.0001	8
SULFATE	25	P00945	URANIUM-235	P22620	28	0.72495	0.0001	8
SULFATE	25	P00945	URANIUM-238	P22603	28	0.77151	0.0001	8
SULFATE	25	P00945	WELL-DEPTH	P72008	1902	-0.12553	0.0001	8
SULFATE	120	P00945	ALKALINITY	P39036	37	0.44349	0.006	8
SULFATE	120	P00945	ANTIMONY	P01095	203	0.26843	0.0001	8
SULFATE	120	P00945	ARSENIC	P01000	532	-0.14291	0.0009	8
SULFATE	120	P00945	BERYLLIUM	P01010	395	0.54151	0.0001	8
SULFATE	120	P00945	CADMIUM	P01027	15	0.54212	0.0368	8
SULFATE	120	P00945	CONDUCTANCE	P00095	1285	0.3483	0.0001	8
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	1146	0.299	0.0001	8
SULFATE	120	P00945	HARDNESS	P00900	1468	0.56259	0.0001	8
SULFATE	120	P00945	IRON	P01045	25	0.9839	0.0001	8
SULFATE	120	P00945	IRON	P01046	1231	0.37194	0.0001	8
SULFATE	120	P00945	MANGANESE	P01055	10	0.93293	0.0001	8
SULFATE	120	P00945	MANGANESE	P01056	1207	0.37749	0.0001	8
SULFATE	120	P00945	NITRATE	P00618	265	0.21288	0.0005	8
SULFATE	120	P00945	NITRITE	P00613	591	0.42655	0.0001	8
SULFATE	120	P00945	NITRITE	P00615	11	0.90678	0.0001	8
SULFATE	120	P00945	PH	P00400	1315	-0.28281	0.0001	8
SULFATE	120	P00945	SELENIUM	P01145	610	0.09513	0.0188	8
SULFATE	120	P00945	URANIUM-235	P22620	25	0.76134	0.0001	8
SULFATE	120	P00945	URANIUM-238	P22603	25	0.78837	0.0001	8
SULFATE	120	P00945	WELL-DEPTH	P72008	1319	-0.10991	0.0001	8
SULFATE	150	P00945	ALKALINITY	P39036	36	0.40429	0.0145	8
SULFATE	150	P00945	ANTIMONY	P01095	186	0.2783	0.0001	8
SULFATE	150	P00945	ARSENIC	P01000	490	-0.14795	0.001	8
SULFATE	150	P00945	BERYLLIUM	P01010	376	0.53716	0.0001	8
SULFATE	150	P00945	CONDUCTANCE	P00095	1200	0.34165	0.0001	8
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	1057	0.29009	0.0001	8
SULFATE	150	P00945	HARDNESS	P00900	1378	0.55694	0.0001	8
SULFATE	150	P00945	IRON	P01045	25	0.9839	0.0001	8
SULFATE	150	P00945	IRON	P01046	1150	0.37237	0.0001	8
SULFATE	150	P00945	MANGANESE	P01055	10	0.93293	0.0001	8
SULFATE	150	P00945	MANGANESE	P01056	1126	0.37698	0.0001	8
SULFATE	150	P00945	NITRATE	P00618	251	0.20301	0.0012	8
SULFATE	150	P00945	NITRITE	P00613	551	0.42407	0.0001	8
SULFATE	150	P00945	PH	P00400	1232	-0.28089	0.0001	8
SULFATE	150	P00945	SELENIUM	P01145	565	0.09138	0.0299	8
SULFATE	150	P00945	URANIUM-235	P22620	24	0.74973	0.0001	8
SULFATE	150	P00945	URANIUM-238	P22603	24	0.77999	0.0001	8
SULFATE	150	P00945	WELL-DEPTH	P72008	1239	-0.11035	0.0001	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	250	P00945	ALKALINITY	P39036	34	0.4856	0.0036	8
SULFATE	250	P00945	ANTIMONY	P01095	152	0.25194	0.0017	8
SULFATE	250	P00945	ARSENIC	P01000	436	-0.15566	0.0011	8
SULFATE	250	P00945	BERYLLIUM	P01010	334	0.52214	0.0001	8
SULFATE	250	P00945	CONDUCTANCE	P00095	1042	0.3372	0.0001	8
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	898	0.27027	0.0001	8
SULFATE	250	P00945	HARDNESS	P00900	1206	0.55077	0.0001	8
SULFATE	250	P00945	IRON	P01045	21	0.98353	0.0001	8
SULFATE	250	P00945	IRON	P01046	991	0.37266	0.0001	8
SULFATE	250	P00945	MANGANESE	P01055	8	0.92997	0.0008	8
SULFATE	250	P00945	MANGANESE	P01056	971	0.37637	0.0001	8
SULFATE	250	P00945	NITRATE	P00618	230	0.19014	0.0038	8
SULFATE	250	P00945	NITRITE	P00613	493	0.41998	0.0001	8
SULFATE	250	P00945	PH	P00400	1081	-0.27848	0.0001	8
SULFATE	250	P00945	TURBIDITY	P00076	54	0.3573	0.008	8
SULFATE	250	P00945	URANIUM-235	P22620	23	0.73499	0.0001	8
SULFATE	250	P00945	URANIUM-238	P22603	23	0.7663	0.0001	8
SULFATE	250	P00945	WELL-DEPTH	P72008	1103	-0.1058	0.0004	8
SULFATE	500	P00945	ALKALINITY	P39036	24	0.42411	0.0389	8
SULFATE	500	P00945	ARSENIC	P01000	273	-0.16962	0.005	8
SULFATE	500	P00945	BERYLLIUM	P01010	218	0.42724	0.0001	8
SULFATE	500	P00945	CHROMIUM	P01030	311	-0.14107	0.0128	8
SULFATE	500	P00945	CONDUCTANCE	P00095	600	0.27192	0.0001	8
SULFATE	500	P00945	DEPTH-BELOW-LAN	P72019	189	-0.16397	0.0242	8
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	573	0.18673	0.0001	8
SULFATE	500	P00945	HARDNESS	P00900	724	0.47788	0.0001	8
SULFATE	500	P00945	IRON	P01045	19	0.98419	0.0001	8
SULFATE	500	P00945	IRON	P01046	544	0.37931	0.0001	8
SULFATE	500	P00945	MANGANESE	P01055	7	0.93896	0.0017	8
SULFATE	500	P00945	MANGANESE	P01056	532	0.37512	0.0001	8
SULFATE	500	P00945	NITRITE	P00613	304	0.39451	0.0001	8
SULFATE	500	P00945	PH	P00400	653	-0.2793	0.0001	8
SULFATE	500	P00945	RADON	P76002	39	0.34922	0.0293	8
SULFATE	500	P00945	RADON	P82303	39	0.3383	0.0352	8
SULFATE	500	P00945	THALLIUM	P01057	26	-0.41475	0.0351	8
SULFATE	500	P00945	URANIUM-235	P22620	18	0.55134	0.0177	8
SULFATE	500	P00945	URANIUM-238	P22603	18	0.59361	0.0094	8
SULFATE	500	P00945	WELL-DEPTH	P72008	660	-0.1217	0.0017	8
THALLIUM	0	P01057	CONDUCTANCE	P00095	111	0.80362	0.0001	8
THALLIUM	0	P01057	DISSOLVED-SOLID	P70301	111	0.76521	0.0001	8
THALLIUM	0	P01057	HARDNESS	P00900	112	0.37263	0.0001	8
THALLIUM	0	P01057	WELL-DEPTH	P72008	85	-0.40107	0.0001	8
URANIUM-235	0	P22620	ANTIMONY	P01095	24	0.53131	0.0075	8
URANIUM-235	0	P22620	BERYLLIUM	P01010	29	0.57209	0.0012	8
URANIUM-235	0	P22620	CADMIUM	P01025	29	0.54981	0.002	8
URANIUM-235	0	P22620	CONDUCTANCE	P00095	29	0.7122	0.0001	8
URANIUM-235	0	P22620	DISSOLVED-OXYGE	P00300	29	-0.44888	0.0146	8
URANIUM-235	0	P22620	DISSOLVED-SOLID	P70301	29	0.7402	0.0001	8
URANIUM-235	0	P22620	HARDNESS	P00900	29	0.64583	0.0002	8
URANIUM-235	0	P22620	NITRITE	P00613	24	0.43139	0.0353	8
URANIUM-235	0	P22620	URANIUM-238	P22603	29	0.96797	0.0001	8

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
URANIUM-238	0	P22603	ANTIMONY	P01095	24	0.55358	0.005	[illegible]
URANIUM-238	0	P22603	BERYLLIUM	P01010	29	0.60646	0.0005	8
URANIUM-238	0	P22603	CADMIUM	P01025	29	0.58452	0.0009	8
URANIUM-238	0	P22603	CONDUCTANCE	P00095	29	0.71983	0.0001	8
URANIUM-238	0	P22603	DISSOLVED-OXYGE	P00300	29	-0.46791	0.0105	8
URANIUM-238	0	P22603	DISSOLVED-SOLID	P70301	29	0.76595	0.0001	8
URANIUM-238	0	P22603	HARDNESS	P00900	29	0.68038	0.0001	8
URANIUM-238	0	P22603	PH	P00400	27	-0.43378	0.0238	8
URANIUM-238	5	P22603	ANTIMONY	P01095	23	0.54315	0.0074	8
URANIUM-238	5	P22603	BERYLLIUM	P01010	28	0.60633	0.0006	8
URANIUM-238	5	P22603	CADMIUM	P01025	28	0.57959	0.0012	8
URANIUM-238	5	P22603	CONDUCTANCE	P00095	28	0.72358	0.0001	8
URANIUM-238	5	P22603	DISSOLVED-OXYGE	P00300	28	-0.45075	0.0161	8
URANIUM-238	5	P22603	DISSOLVED-SOLID	P70301	28	0.76764	0.0001	8
URANIUM-238	5	P22603	HARDNESS	P00900	28	0.69347	0.0001	8
URANIUM-238	5	P22603	PH	P00400	26	-0.44192	0.0238	8
URANIUM-238	5	P22603	SULFATE	P00945	28	0.78025	0.0001	8
URANIUM-238	5	P22603	URANIUM-235	P22620	28	0.96568	0.0001	8
URANIUM-238	5	P22603	WELL-DEPTH	P72008	25	-0.40468	0.0448	8
URANIUM-238	20	P22603	URANIUM-235	P22620	9	0.92326	0.0004	8
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	5342	-0.05419	0.0001	8
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	2140	0.1808	0.0001	8
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	1911	0.04932	0.0311	8
WELL-DEPTH	0	P72008	PH	P00400	4952	0.18005	0.0001	8
ALKALINITY	0	P39036	CONDUCTANCE	P00095	1768	0.13332	0.0001	9
ANTIMONY	0	P01095	BERYLLIUM	P01010	556	0.98323	0.0001	[illegible]
ANTIMONY	0	P01095	CADMIUM	P01025	555	0.98081	0.0001	9
ANTIMONY	0	P01095	CHROMIUM	P01030	536	0.78786	0.0001	9
ANTIMONY	0	P01095	CONDUCTANCE	P00095	529	0.52608	0.0001	9
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	451	-0.10675	0.0234	9
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	552	0.48656	0.0001	9
ANTIMONY	0	P01095	HARDNESS	P00900	554	0.17341	0.0001	9
ANTIMONY	0	P01095	NICKEL	P01065	555	0.89493	0.0001	9
ANTIMONY	0	P01095	NITRITE	P00613	513	0.09671	0.0285	9
ANTIMONY	0	P01095	SELENIUM	P01145	556	0.20269	0.0001	9
ANTIMONY	0	P01095	THALLIUM	P01057	24	0.60314	0.0018	9
ANTIMONY	6	P01095	BERYLLIUM	P01010	13	0.99459	0.0001	9
ANTIMONY	6	P01095	CADMIUM	P01025	13	0.99304	0.0001	9
ANTIMONY	6	P01095	CHROMIUM	P01030	11	0.84977	0.0009	9
ANTIMONY	6	P01095	NICKEL	P01065	13	0.9776	0.0001	9
ARSENIC	0	P01000	ALKALINITY	P39036	1043	0.41513	0.0001	9
ARSENIC	0	P01000	ANTIMONY	P01095	556	0.1281	0.0025	9
ARSENIC	0	P01002	BARIUM	P01005	19	0.5075	0.0265	9
ARSENIC	0	P01000	CHROMIUM	P01030	1017	0.08395	0.0074	9
ARSENIC	0	P01000	CHROMIUM	P01032	192	0.25861	0.0003	9
ARSENIC	0	P01002	CHROMIUM	P01034	19	0.57818	0.0095	9
ARSENIC	0	P01000	CONDUCTANCE	P00095	2205	0.10135	0.0001	9
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	1937	0.10208	0.0001	9
ARSENIC	0	P01000	MERCURY	P71890	253	0.2736	0.0001	9
ARSENIC	0	P01002	NICKEL	P01067	18	0.50067	0.0343	9
ARSENIC	0	P01000	NITRITE	P00613	2111	0.05529	0.0111	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01000	PH	P00400	2193	0.12064	0.0001	9
ARSENIC	0	P01000	SULFATE	P00945	1955	0.08267	0.0003	9
ARSENIC	0	P01000	WELL-DEPTH	P72008	1798	-0.05099	0.0306	9
ARSENIC	2	P01000	ALKALINITY	P39036	758	0.434	0.0001	9
ARSENIC	2	P01000	ANTIMONY	P01095	441	0.12515	0.0085	9
ARSENIC	2	P01000	CHROMIUM	P01030	763	0.17552	0.0001	9
ARSENIC	2	P01000	CHROMIUM	P01032	140	0.21956	0.0091	9
ARSENIC	2	P01000	CONDUCTANCE	P00095	1595	0.10042	0.0001	9
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	826	-0.08891	0.0106	9
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	1383	0.09964	0.0002	9
ARSENIC	2	P01000	IRON	P01047	8	0.89433	0.0027	9
ARSENIC	2	P01000	MERCURY	P71890	207	0.27057	0.0001	9
ARSENIC	2	P01000	NITRITE	P00613	1538	0.05296	0.0378	9
ARSENIC	2	P01000	PH	P00400	1582	0.124	0.0001	9
ARSENIC	2	P01000	SULFATE	P00945	1394	0.08018	0.0027	9
ARSENIC	2	P01000	WELL-DEPTH	P72008	1292	-0.05913	0.0336	9
ARSENIC	5	P01000	ALKALINITY	P39036	539	0.49281	0.0001	9
ARSENIC	5	P01000	CHROMIUM	P01030	502	0.20958	0.0001	9
ARSENIC	5	P01000	CONDUCTANCE	P00095	1060	0.10029	0.0011	9
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	557	-0.08468	0.0458	9
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	877	0.0957	0.0046	9
ARSENIC	5	P01000	IRON	P01047	8	0.89433	0.0027	9
ARSENIC	5	P01000	MERCURY	P71890	174	0.33812	0.0001	9
ARSENIC	5	P01000	PH	P00400	1048	0.14402	0.0001	9
ARSENIC	5	P01000	SULFATE	P00945	886	0.07883	0.0189	9
ARSENIC	5	P01002	SULFATE	P00945	8	0.86334	0.0057	9
ARSENIC	5	P01000	WELL-DEPTH	P72008	794	-0.08535	0.0161	9
ARSENIC	10	P01000	ALKALINITY	P39036	361	0.50075	0.0001	9
ARSENIC	10	P01000	CHROMIUM	P01030	309	0.20702	0.0002	9
ARSENIC	10	P01000	CONDUCTANCE	P00095	740	0.12098	0.001	9
ARSENIC	10	P01000	DISSOLVED-SOLID	P70301	627	0.11885	0.0029	9
ARSENIC	10	P01000	IRON	P01047	8	0.89433	0.0027	9
ARSENIC	10	P01000	MERCURY	P71890	134	0.33424	0.0001	9
ARSENIC	10	P01000	PH	P00400	728	0.15855	0.0001	9
ARSENIC	10	P01000	SULFATE	P00945	634	0.11543	0.0036	9
ARSENIC	10	P01002	SULFATE	P00945	7	0.86598	0.0117	9
ARSENIC	10	P01000	URANIUM-235	P22620	7	0.80228	0.0299	9
ARSENIC	10	P01000	WELL-DEPTH	P72008	537	-0.10577	0.0142	9
ARSENIC	20	P01000	ALKALINITY	P39036	181	0.55541	0.0001	9
ARSENIC	20	P01000	CHROMIUM	P01030	131	0.1907	0.0291	9
ARSENIC	20	P01000	CONDUCTANCE	P00095	420	0.14531	0.0028	9
ARSENIC	20	P01000	DISSOLVED-OXYGE	P00300	202	-0.16336	0.0202	9
ARSENIC	20	P01000	DISSOLVED-SOLID	P70301	395	0.13943	0.0055	9
ARSENIC	20	P01000	IRON	P01047	6	0.94044	0.0052	9
ARSENIC	20	P01000	MERCURY	P71890	95	0.32749	0.0012	9
ARSENIC	20	P01000	PH	P00400	412	0.17454	0.0004	9
ARSENIC	20	P01000	SULFATE	P00945	398	0.13379	0.0075	9
ARSENIC	20	P01002	SULFATE	P00945	7	0.86598	0.0117	9
ARSENIC	20	P01000	WELL-DEPTH	P72008	315	-0.14866	0.0082	9
BARIUM	0	P01005	ALKALINITY	P39036	1156	0.16784	0.0001	9
BARIUM	0	P01005	CHROMIUM	P01032	191	-0.15346	0.034	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	CHROMIUM	P01034	14	0.65939	0.0103	[illegible]
BARIUM	0	P01005	HARDNESS	P00900	2069	0.09181	0.0001	9
BARIUM	0	P01005	IRON	P01046	2070	0.2151	0.0001	9
BARIUM	0	P01005	MANGANESE	P01056	2072	0.06692	0.0023	9
BARIUM	0	P01005	NICKEL	P01067	13	0.79267	0.0012	9
BARIUM	0	P01005	PH	P00400	2023	-0.19829	0.0001	9
BARIUM	0	P01005	THALLIUM	P01057	24	0.5211	0.009	9
BARIUM	2000	P01005	IRON	P01046	5	0.95548	0.0112	9
BERYLLIUM	0	P01010	CADMIUM	P01025	1154	0.97523	0.0001	9
BERYLLIUM	0	P01010	CHROMIUM	P01030	1126	0.32326	0.0001	9
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	1121	0.50257	0.0001	9
BERYLLIUM	0	P01010	CYANIDE	P00723	12	0.67767	0.0155	9
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	728	0.46139	0.0001	9
BERYLLIUM	0	P01010	HARDNESS	P00900	1153	0.17436	0.0001	9
BERYLLIUM	0	P01010	SELENIUM	P01145	660	0.11976	0.0021	9
BERYLLIUM	0	P01010	SELENIUM	P01147	11	0.81551	0.0022	9
BERYLLIUM	0	P01010	THALLIUM	P01057	24	0.57571	0.0032	9
BERYLLIUM	4	P01010	ANTIMONY	P01095	8	0.99826	0.0001	9
BERYLLIUM	4	P01010	CADMIUM	P01025	28	0.98985	0.0001	9
BERYLLIUM	4	P01010	CHROMIUM	P01030	27	0.8408	0.0001	9
BERYLLIUM	4	P01010	NICKEL	P01065	27	0.88229	0.0001	9
BERYLLIUM	4	P01010	NITRATE	P00618	9	0.91494	0.0005	9
BERYLLIUM	4	P01010	RADON	P82303	4	0.98999	0.01	9
BERYLLIUM	4	P01010	SELENIUM	P01145	8	0.79147	0.0193	9
CADMIUM	0	P01025	CHROMIUM	P01030	1202	0.11731	0.0001	9
CADMIUM	0	P01025	CONDUCTANCE	P00095	1242	0.11597	0.0001	[illegible]
CADMIUM	0	P01025	CYANIDE	P00723	12	0.85939	0.0003	9
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	793	0.07825	0.0276	9
CADMIUM	0	P01025	HARDNESS	P00900	1284	0.50679	0.0001	9
CADMIUM	0	P01025	IRON	P01046	1286	0.1528	0.0001	9
CADMIUM	0	P01025	MANGANESE	P01056	1283	0.6669	0.0001	9
CADMIUM	0	P01025	PH	P00400	1241	-0.47753	0.0001	9
CADMIUM	0	P01025	SELENIUM	P01147	11	0.87094	0.0005	9
CADMIUM	0	P01025	THALLIUM	P01057	24	0.59835	0.002	9
CADMIUM	5	P01025	ANTIMONY	P01095	11	0.99614	0.0001	9
CADMIUM	5	P01025	BERYLLIUM	P01010	22	0.99606	0.0001	9
CADMIUM	5	P01025	DEPTH-BELOW-LAN	P72019	42	-0.35926	0.0195	9
CADMIUM	5	P01025	HARDNESS	P00900	108	0.59843	0.0001	9
CADMIUM	5	P01025	MANGANESE	P01056	110	0.58254	0.0001	9
CADMIUM	5	P01025	MERCURY	P71890	15	-0.67922	0.0054	9
CADMIUM	5	P01025	PH	P00400	98	-0.34673	0.0005	9
CADMIUM	5	P01025	SELENIUM	P01145	24	0.52487	0.0085	9
CADMIUM	5	P01025	SULFATE	P00945	110	0.66048	0.0001	9
CADMIUM	5	P01025	WELL-DEPTH	P72008	69	-0.25171	0.0369	9
CHROMIUM	0	P01030	CONDUCTANCE	P00095	1163	0.22754	0.0001	9
CHROMIUM	0	P01034	CONDUCTANCE	P00095	12	0.62954	0.0283	9
CHROMIUM	0	P01030	CYANIDE	P00723	12	0.75193	0.0048	9
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	650	0.80511	0.0001	9
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	758	0.38245	0.0001	9
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	14	0.68559	0.0068	9
CHROMIUM	0	P01030	HARDNESS	P00900	1199	0.20346	0.0001	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01032	HARDNESS	P00900	208	-0.14153	0.0414	9
CHROMIUM	0	P01034	HARDNESS	P00900	15	0.78229	0.0006	9
CHROMIUM	0	P01034	NICKEL	P01065	13	0.71689	0.0058	9
CHROMIUM	0	P01034	NICKEL	P01067	18	0.93459	0.0001	9
CHROMIUM	0	P01032	PH	P00400	207	0.33218	0.0001	9
CHROMIUM	0	P01030	SELENIUM	P01145	699	0.10268	0.0066	9
CHROMIUM	0	P01030	SELENIUM	P01147	11	0.78229	0.0044	9
CHROMIUM	0	P01030	THALLIUM	P01057	24	0.58541	0.0027	9
CHROMIUM	100	P01030	IRON	P01046	6	0.92289	0.0087	9
CYANIDE	0	P00723	CONDUCTANCE	P00095	19	0.93458	0.0001	9
CYANIDE	0	P00723	DISSOLVED-OXYGE	P00300	12	-0.74096	0.0058	9
CYANIDE	0	P00723	HARDNESS	P00900	12	0.92811	0.0001	9
CYANIDE	0	P00723	IRON	P01046	19	0.98668	0.0001	9
CYANIDE	0	P00723	MANGANESE	P01056	19	0.98156	0.0001	9
CYANIDE	0	P00723	MERCURY	P71890	12	0.93891	0.0001	9
CYANIDE	0	P00723	NICKEL	P01065	12	0.99805	0.0001	9
CYANIDE	0	P00723	NITRITE	P00613	19	0.99504	0.0001	9
CYANIDE	0	P00723	SELENIUM	P01147	4	0.9985	0.0015	9
CYANIDE	0.2	P00723	CONDUCTANCE	P00095	4	0.96894	0.0311	9
CYANIDE	0.2	P00723	DISSOLVED-OXYGE	P00300	4	-0.98911	0.0109	9
CYANIDE	0.2	P00723	IRON	P01046	4	0.99244	0.0076	9
CYANIDE	0.2	P00723	MANGANESE	P01056	4	0.97686	0.0231	9
CYANIDE	0.2	P00723	NICKEL	P01065	4	0.99674	0.0033	9
CYANIDE	0.2	P00723	NITRATE	P00618	4	0.967	0.033	9
CYANIDE	0.2	P00723	NITRITE	P00613	4	0.99107	0.0089	9
CYANIDE	0.2	P00723	SELENIUM	P01147	4	0.9985	0.0015	9
CYANIDE	0.2	P00723	WELL-DEPTH	P72008	4	0.97653	0.0235	9
DEPTH-BELOW-LAN	0	P72019	ALKALINITY	P39036	751	-0.07379	0.0432	9
DEPTH-BELOW-LAN	0	P72019	PH	P00400	1670	0.06417	0.0087	9
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	641	-0.13758	0.0005	9
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	2421	-0.06885	0.0007	9
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	1186	0.30499	0.0001	9
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	4051	0.98461	0.0001	9
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	2016	-0.10512	0.0001	9
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	4119	0.75879	0.0001	9
DISSOLVED-SOLID	0	P70301	PH	P00400	3910	-0.08882	0.0001	9
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	3597	-0.07529	0.0001	9
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	648	0.27021	0.0001	9
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	199	0.47656	0.0001	9
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	772	0.07886	0.0285	9
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	324	0.45629	0.0001	9
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	324	0.35616	0.0001	9
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	1667	0.98365	0.0001	9
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	779	-0.14515	0.0001	9
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	1693	0.73996	0.0001	9
DISSOLVED-SOLID	500	P70301	IRON	P01046	1664	0.07571	0.002	9
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	1635	0.2228	0.0001	9
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	332	0.22012	0.0001	9
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	1618	0.05048	0.0423	9
DISSOLVED-SOLID	500	P70301	PH	P00400	1624	-0.08511	0.0006	9
DISSOLVED-SOLID	500	P70301	RADIUM-226	P09511	6	0.92047	0.0092	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	500	P70301	RADIUM-226	P76001	6	0.91952	0.0095	9
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	331	0.15987	0.0035	9
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	1693	0.77619	0.0001	9
DISSOLVED-SOLID	500	P70301	THALLIUM	P01057	15	0.99827	0.0001	9
DISSOLVED-SOLID	500	P70301	URANIUM-238	P22603	11	0.91623	0.0001	9
DISSOLVED-SOLID	500	P70301	WELL-DEPTH	P72008	1529	-0.07385	0.0039	9
HARDNESS	0	P00900	ALKALINITY	P39036	1613	0.16383	0.0001	9
HARDNESS	0	P00900	CONDUCTANCE	P00095	4579	0.71664	0.0001	9
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	2220	-0.0802	0.0002	9
HARDNESS	0	P00900	PH	P00400	4439	-0.37035	0.0001	9
HARDNESS	0	P00900	WELL-DEPTH	P72008	3842	-0.15159	0.0001	9
HARDNESS	300	P00900	ARSENIC	P01000	502	0.32309	0.0001	9
HARDNESS	300	P00900	BERYLLIUM	P01010	320	0.14328	0.0103	9
HARDNESS	300	P00900	CADMIUM	P01025	386	0.47688	0.0001	9
HARDNESS	300	P00900	CHROMIUM	P01030	341	0.15416	0.0043	9
HARDNESS	300	P00900	CONDUCTANCE	P00095	1199	0.70687	0.0001	9
HARDNESS	300	P00900	CYANIDE	P00723	5	0.93265	0.0208	9
HARDNESS	300	P00900	DEPTH-BELOW-LAN	P72019	455	-0.19321	0.0001	9
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	540	-0.11619	0.0069	9
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	1076	0.76747	0.0001	9
HARDNESS	300	P00900	IRON	P01046	1193	0.14714	0.0001	9
HARDNESS	300	P00900	MANGANESE	P01056	1173	0.40507	0.0001	9
HARDNESS	300	P00900	MERCURY	P71890	66	0.77515	0.0001	9
HARDNESS	300	P00900	NICKEL	P01065	343	0.13949	0.0097	9
HARDNESS	300	P00900	NITRATE	P00618	279	0.18658	0.0017	9
HARDNESS	300	P00900	NITRITE	P00613	1110	0.11852	0.0001	9
HARDNESS	300	P00900	PH	P00400	1188	-0.37055	0.0001	9
HARDNESS	300	P00900	RADIUM-226	P09511	4	0.99272	0.0073	9
HARDNESS	300	P00900	RADIUM-226	P76001	4	0.99253	0.0075	9
HARDNESS	300	P00900	SELENIUM	P01145	284	0.27752	0.0001	9
HARDNESS	300	P00900	SELENIUM	P01147	7	0.94369	0.0014	9
HARDNESS	300	P00900	SULFATE	P00945	1162	0.65432	0.0001	9
HARDNESS	300	P00900	WELL-DEPTH	P72008	1073	-0.13085	0.0001	9
IRON	0	P01046	ALKALINITY	P39036	1619	0.10193	0.0001	9
IRON	0	P01046	CONDUCTANCE	P00095	4546	0.04939	0.0009	9
IRON	0	P01045	DEPTH-BELOW-LAN	P72019	7	0.84195	0.0175	9
IRON	0	P01046	DISSOLVED-SOLID	P70301	4059	0.09857	0.0001	9
IRON	0	P01046	HARDNESS	P00900	4607	0.17303	0.0001	9
IRON	0	P01046	MANGANESE	P01056	4426	0.25678	0.0001	9
IRON	0	P01046	PH	P00400	4409	-0.28463	0.0001	9
IRON	0	P01046	SELENIUM	P01147	19	0.69063	0.0011	9
IRON	0	P01045	TURBIDITY	P00076	7	0.99844	0.0001	9
IRON	0	P01046	WELL-DEPTH	P72008	3797	-0.0334	0.0396	9
IRON	300	P01046	ALKALINITY	P39036	98	0.20993	0.038	9
IRON	300	P01046	BARIUM	P01005	126	0.22576	0.011	9
IRON	300	P01046	DISSOLVED-SOLID	P70301	252	0.19796	0.0016	9
IRON	300	P01046	HARDNESS	P00900	347	0.24097	0.0001	9
IRON	300	P01046	MANGANESE	P01056	338	0.21693	0.0001	9
IRON	300	P01046	PH	P00400	319	-0.38838	0.0001	9
IRON	300	P01046	SELENIUM	P01147	3	-0.99809	0.0393	9
IRON	300	P01046	SULFATE	P00945	346	0.38215	0.0001	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	2500	P01046	CHROMIUM	P01030	30	0.51301	0.0037	9
IRON	2500	P01046	DISSOLVED-SOLID	P70301	68	0.42216	0.0003	9
IRON	2500	P01046	HARDNESS	P00900	142	0.24581	0.0032	9
IRON	2500	P01046	NICKEL	P01065	30	0.85209	0.0001	9
IRON	2500	P01046	PH	P00400	125	-0.30746	0.0005	9
IRON	2500	P01046	SULFATE	P00945	143	0.37217	0.0001	9
MANGANESE	0	P01056	ALKALINITY	P39036	1584	0.12071	0.0001	9
MANGANESE	0	P01056	CONDUCTANCE	P00095	4355	0.12666	0.0001	9
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	2144	-0.07269	0.0008	9
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	3876	0.24177	0.0001	9
MANGANESE	0	P01056	HARDNESS	P00900	4424	0.40639	0.0001	9
MANGANESE	0	P01056	MERCURY	P71890	257	0.88117	0.0001	9
MANGANESE	0	P01056	NICKEL	P01065	1204	0.22593	0.0001	9
MANGANESE	0	P01056	NITRITE	P00613	3981	0.11838	0.0001	9
MANGANESE	0	P01056	PH	P00400	4265	-0.36631	0.0001	9
MANGANESE	0	P01056	SELENIUM	P01147	19	0.99127	0.0001	9
MANGANESE	0	P01056	THALLIUM	P01057	26	0.93875	0.0001	9
MANGANESE	0	P01056	TURBIDITY	P00076	130	0.18029	0.0401	9
MANGANESE	0	P01056	WELL-DEPTH	P72008	3638	-0.06288	0.0001	9
MANGANESE	50	P01056	ALKALINITY	P39036	568	0.10739	0.0104	9
MANGANESE	50	P01056	CADMIUM	P01025	549	0.65543	0.0001	9
MANGANESE	50	P01056	CONDUCTANCE	P00095	1103	0.10623	0.0004	9
MANGANESE	50	P01056	CYANIDE	P00723	3	0.99907	0.0274	9
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	729	0.22078	0.0001	9
MANGANESE	50	P01056	HARDNESS	P00900	1127	0.45213	0.0001	9
MANGANESE	50	P01056	IRON	P01046	1131	0.24323	0.0001	9
MANGANESE	50	P01056	MERCURY	P71890	45	0.89375	0.0001	9
MANGANESE	50	P01056	NICKEL	P01065	494	0.21995	0.0001	9
MANGANESE	50	P01056	NITRITE	P00613	952	0.11149	0.0006	9
MANGANESE	50	P01056	PH	P00400	1070	-0.46245	0.0001	9
MANGANESE	50	P01056	SELENIUM	P01147	6	0.99803	0.0001	9
MANGANESE	50	P01056	SULFATE	P00945	923	0.54265	0.0001	9
MANGANESE	50	P01056	THALLIUM	P01057	4	0.99449	0.0055	9
MERCURY	0	P71890	CONDUCTANCE	P00095	239	0.40015	0.0001	9
MERCURY	0	P71890	HARDNESS	P00900	261	0.66785	0.0001	9
MERCURY	0	P71890	NICKEL	P01065	118	0.96444	0.0001	9
MERCURY	0	P71890	NITRITE	P00613	244	0.96409	0.0001	9
MERCURY	0	P71890	SELENIUM	P01147	11	0.92228	0.0001	9
NICKEL	0	P01065	ALKALINITY	P39036	582	0.11773	0.0045	9
NICKEL	0	P01067	CONDUCTANCE	P00095	11	0.78716	0.004	9
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	765	0.26995	0.0001	9
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	13	0.82724	0.0005	9
NICKEL	0	P01065	HARDNESS	P00900	1206	0.15523	0.0001	9
NICKEL	0	P01067	HARDNESS	P00900	14	0.85927	0.0001	9
NICKEL	0	P01065	NITRITE	P00613	1064	0.49947	0.0001	9
NICKEL	0	P01065	SELENIUM	P01147	17	0.97405	0.0001	9
NICKEL	0	P01065	THALLIUM	P01057	24	0.59183	0.0023	9
NICKEL	100	P01065	ARSENIC	P01000	4	0.98587	0.0141	9
NICKEL	100	P01065	HARDNESS	P00900	13	0.63233	0.0204	9
NICKEL	100	P01065	NITRITE	P00613	6	0.99896	0.0001	9
NITRATE	0	P00618	CONDUCTANCE	P00095	1008	0.07577	0.0161	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	CYANIDE	P00723	11	0.9722	0.0001	
NITRATE	0	P00618	DEPTH-BELOW-LAN	P72019	370	-0.18316	0.0004	9
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	450	0.15949	0.0007	9
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	791	0.08024	0.024	9
NITRATE	0	P00618	HARDNESS	P00900	930	0.27571	0.0001	9
NITRATE	0	P00618	MERCURY	P71890	82	0.83302	0.0001	9
NITRATE	0	P00618	NITRITE	P00613	1020	0.1133	0.0003	9
NITRATE	0	P00618	PH	P00400	953	-0.13643	0.0001	9
NITRATE	0	P00618	SELENIUM	P01147	4	0.95649	0.0435	9
NITRATE	0	P00618	WELL-DEPTH	P72008	812	-0.12078	0.0006	9
NITRATE	8	P00618	ALKALINITY	P39036	50	0.36184	0.0098	9
NITRATE	8	P00618	CHROMIUM	P01030	37	0.34099	0.0389	9
NITRATE	8	P00618	CONDUCTANCE	P00095	108	0.22443	0.0195	9
NITRATE	8	P00618	DEPTH-BELOW-LAN	P72019	51	-0.35751	0.01	9
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	88	0.23683	0.0263	9
NITRATE	8	P00618	HARDNESS	P00900	98	0.33301	0.0008	9
NITRATE	8	P00618	SULFATE	P00945	97	0.21953	0.0307	9
NITRATE	10	P00618	ALKALINITY	P39036	33	0.35783	0.0409	9
NITRATE	10	P00618	DEPTH-BELOW-LAN	P72019	39	-0.42817	0.0065	9
NITRATE	10	P00618	HARDNESS	P00900	72	0.31085	0.0079	9
NITRITE	0	P00613	ALKALINITY	P39036	1624	0.10743	0.0001	9
NITRITE	0	P00613	CONDUCTANCE	P00095	4409	0.05848	0.0001	9
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	2128	-0.07363	0.0007	9
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	3814	0.07161	0.0001	9
NITRITE	0	P00613	HARDNESS	P00900	4209	0.05391	0.0005	9
NITRITE	0	P00613	PH	P00400	4246	-0.08169	0.0001	
NITRITE	0	P00613	SELENIUM	P01147	10	0.97385	0.0001	9
NITRITE	0	P00613	WELL-DEPTH	P72008	3693	-0.07105	0.0001	9
NITRITE	1	P00613	BARIUM	P01005	19	-0.73222	0.0004	9
NITRITE	1	P00613	CADMIUM	P01025	18	0.52894	0.024	9
NITRITE	1	P00613	CHROMIUM	P01030	17	0.72695	0.0009	9
NITRITE	1	P00613	HARDNESS	P00900	25	0.51192	0.0089	9
NITRITE	1	P00613	IRON	P01046	25	0.5471	0.0047	9
NITRITE	1	P00613	MANGANESE	P01056	25	0.51175	0.0089	9
NITRITE	1	P00613	NICKEL	P01065	17	0.72704	0.0009	9
PH	0	P00400	ALKALINITY	P39036	1777	-0.08407	0.0004	9
PH	0	P00400	CONDUCTANCE	P00095	5126	-0.12956	0.0001	9
RADIUM-226	0	P09511	CONDUCTANCE	P00095	12	0.89436	0.0001	9
RADIUM-226	0	P76001	CONDUCTANCE	P00095	12	0.89349	0.0001	9
RADIUM-226	0	P09511	DEPTH-BELOW-LAN	P72019	3	-0.99839	0.0361	9
RADIUM-226	0	P76001	DEPTH-BELOW-LAN	P72019	3	-0.99843	0.0357	9
RADIUM-226	0	P09511	DISSOLVED-SOLID	P70301	25	0.91915	0.0001	9
RADIUM-226	0	P76001	DISSOLVED-SOLID	P70301	21	0.91752	0.0001	9
RADIUM-226	0	P09511	HARDNESS	P00900	25	0.93979	0.0001	9
RADIUM-226	0	P76001	HARDNESS	P00900	21	0.94203	0.0001	9
RADIUM-226	0	P09511	MANGANESE	P01056	25	0.53791	0.0055	9
RADIUM-226	0	P76001	MANGANESE	P01056	21	0.54026	0.0115	9
RADIUM-226	0	P09511	SELENIUM	P01145	25	0.40221	0.0462	9
RADIUM-226	0	P09511	THALLIUM	P01057	11	0.89545	0.0002	9
RADIUM-226	0	P76001	THALLIUM	P01057	11	0.89457	0.0002	9
RADON	0	P76002	CADMIUM	P01025	400	0.14948	0.0027	

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
RADON	0	P82303	CHROMIUM	P01030	391	-0.09983	0.0485	9
RADON	0	P82303	HARDNESS	P00900	468	-0.13359	0.0038	9
RADON	0	P76002	MERCURY	P71890	67	0.24732	0.0436	9
RADON	0	P76002	NICKEL	P01065	378	0.1733	0.0007	9
RADON	0	P82303	NICKEL	P01065	380	-0.12498	0.0148	9
RADON	0	P76002	NITRITE	P00613	440	0.11877	0.0127	9
RADON	0	P82303	NITRITE	P00613	442	0.18709	0.0001	9
RADON	0	P82303	SELENIUM	P01145	395	-0.15554	0.0019	9
RADON	0	P82303	URANIUM-235	P22620	14	0.69524	0.0058	9
RADON	0	P82303	URANIUM-238	P22603	14	0.62876	0.016	9
RADON	0	P76002	WELL-DEPTH	P72008	455	-0.12543	0.0074	9
RADON	0	P82303	WELL-DEPTH	P72008	456	-0.09745	0.0375	9
RADON	100	P82303	HARDNESS	P00900	464	-0.13266	0.0042	9
RADON	100	P82303	NICKEL	P01065	377	-0.1164	0.0238	9
RADON	100	P82303	NITRITE	P00613	439	0.18791	0.0001	9
RADON	100	P82303	SELENIUM	P01145	393	-0.15557	0.002	9
RADON	100	P82303	SULFATE	P00945	470	-0.14645	0.0015	9
RADON	100	P82303	URANIUM-235	P22620	13	0.69522	0.0083	9
RADON	100	P82303	URANIUM-238	P22603	13	0.61384	0.0256	9
RADON	100	P82303	WELL-DEPTH	P72008	451	-0.09642	0.0407	9
RADON	300	P82303	NITRITE	P00613	382	0.19017	0.0002	9
RADON	300	P82303	SELENIUM	P01145	354	-0.14271	0.0072	9
RADON	300	P82303	SULFATE	P00945	408	-0.10156	0.0403	9
RADON	300	P82303	URANIUM-235	P22620	8	0.79091	0.0194	9
RADON	500	P82303	NITRITE	P00613	277	0.18776	0.0017	9
RADON	1000	P82303	DISSOLVED-OXYGE	P00300	90	0.25631	0.0148	9
RADON	1000	P82303	DISSOLVED-SOLID	P70301	90	-0.22819	0.0305	9
RADON	1000	P82303	HARDNESS	P00900	89	-0.213	0.0451	9
SELENIUM	0	P01145	CONDUCTANCE	P00095	931	0.18587	0.0001	9
SELENIUM	0	P01147	CONDUCTANCE	P00095	16	0.96444	0.0001	9
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	874	0.18305	0.0001	9
SELENIUM	0	P01145	HARDNESS	P00900	956	0.30257	0.0001	9
SELENIUM	0	P01147	HARDNESS	P00900	19	0.9565	0.0001	9
SELENIUM	0	P01145	THALLIUM	P01057	26	0.59072	0.0015	9
SELENIUM	50	P01145	HARDNESS	P00900	7	0.82423	0.0226	9
SELENIUM	50	P01145	MANGANESE	P01056	7	0.95099	0.001	9
SELENIUM	50	P01145	NITRATE	P00618	3	0.99773	0.0429	9
SELENIUM	50	P01145	SULFATE	P00945	6	0.86783	0.025	9
SULFATE	0	P00945	ALKALINITY	P39036	1399	0.42918	0.0001	9
SULFATE	0	P00945	ANTIMONY	P01095	555	0.35653	0.0001	9
SULFATE	0	P00945	BERYLLIUM	P01010	871	0.29786	0.0001	9
SULFATE	0	P00945	CADMIUM	P01025	1004	0.52511	0.0001	9
SULFATE	0	P00945	CHROMIUM	P01030	918	0.13694	0.0001	9
SULFATE	0	P00945	CHROMIUM	P01034	15	0.7214	0.0024	9
SULFATE	0	P00945	CONDUCTANCE	P00095	4471	0.67914	0.0001	9
SULFATE	0	P00945	CYANIDE	P00723	19	0.89602	0.0001	9
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	2188	-0.11766	0.0001	9
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	4121	0.79245	0.0001	9
SULFATE	0	P00945	HARDNESS	P00900	4383	0.67842	0.0001	9
SULFATE	0	P00945	IRON	P01046	4340	0.21179	0.0001	9
SULFATE	0	P00945	MANGANESE	P01056	4157	0.42584	0.0001	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	MERCURY	P71890	262	0.58228	0.0001	[illegible]
SULFATE	0	P00945	NICKEL	P01065	925	0.10134	0.002	9
SULFATE	0	P00945	NICKEL	P01067	14	0.75888	0.0016	9
SULFATE	0	P00945	NITRATE	P00618	954	0.08045	0.0129	9
SULFATE	0	P00945	NITRITE	P00613	4059	0.05292	0.0007	9
SULFATE	0	P00945	PH	P00400	4286	-0.22331	0.0001	9
SULFATE	0	P00945	RADIUM-226	P09511	25	0.9246	0.0001	9
SULFATE	0	P00945	RADIUM-226	P76001	21	0.92351	0.0001	9
SULFATE	0	P00945	RADON	P82303	474	-0.14933	0.0011	9
SULFATE	0	P00945	SELENIUM	P01145	878	0.23525	0.0001	9
SULFATE	0	P00945	SELENIUM	P01147	19	0.92947	0.0001	9
SULFATE	0	P00945	THALLIUM	P01057	26	0.99187	0.0001	9
SULFATE	0	P00945	URANIUM-238	P22603	15	0.86135	0.0001	9
SULFATE	0	P00945	WELL-DEPTH	P72008	3860	-0.11078	0.0001	9
SULFATE	25	P00945	ALKALINITY	P39036	1188	0.46966	0.0001	9
SULFATE	25	P00945	ANTIMONY	P01095	335	0.35132	0.0001	9
SULFATE	25	P00945	ARSENIC	P01000	1282	0.07373	0.0083	9
SULFATE	25	P00945	BERYLLIUM	P01010	594	0.29632	0.0001	9
SULFATE	25	P00945	CADMIUM	P01025	696	0.51513	0.0001	9
SULFATE	25	P00945	CHROMIUM	P01030	617	0.11864	0.0032	9
SULFATE	25	P00945	CONDUCTANCE	P00095	3121	0.67262	0.0001	9
SULFATE	25	P00945	CYANIDE	P00723	13	0.89517	0.0001	9
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	1461	-0.14474	0.0001	9
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	2826	0.79331	0.0001	9
SULFATE	25	P00945	HARDNESS	P00900	3067	0.67329	0.0001	9
SULFATE	25	P00945	IRON	P01046	3028	0.20811	0.0001	[illegible]
SULFATE	25	P00945	MANGANESE	P01056	2942	0.42302	0.0001	9
SULFATE	25	P00945	MERCURY	P71890	101	0.58564	0.0001	9
SULFATE	25	P00945	NICKEL	P01065	623	0.09626	0.0162	9
SULFATE	25	P00945	NITRITE	P00613	2863	0.03884	0.0377	9
SULFATE	25	P00945	PH	P00400	3017	-0.2359	0.0001	9
SULFATE	25	P00945	RADIUM-226	P09511	15	0.92386	0.0001	9
SULFATE	25	P00945	RADIUM-226	P76001	15	0.92326	0.0001	9
SULFATE	25	P00945	RADON	P82303	264	-0.25588	0.0001	9
SULFATE	25	P00945	SELENIUM	P01145	516	0.22418	0.0001	9
SULFATE	25	P00945	SELENIUM	P01147	11	0.94423	0.0001	9
SULFATE	25	P00945	THALLIUM	P01057	23	0.99244	0.0001	9
SULFATE	25	P00945	URANIUM-238	P22603	14	0.85868	0.0001	9
SULFATE	25	P00945	WELL-DEPTH	P72008	2766	-0.12285	0.0001	9
SULFATE	120	P00945	ALKALINITY	P39036	805	0.48633	0.0001	9
SULFATE	120	P00945	ANTIMONY	P01095	143	0.32986	0.0001	9
SULFATE	120	P00945	BERYLLIUM	P01010	352	0.29182	0.0001	9
SULFATE	120	P00945	CADMIUM	P01025	438	0.49477	0.0001	9
SULFATE	120	P00945	CONDUCTANCE	P00095	1724	0.65647	0.0001	9
SULFATE	120	P00945	CYANIDE	P00723	5	0.90006	0.0374	9
SULFATE	120	P00945	DEPTH-BELOW-LAN	P72019	676	-0.19832	0.0001	9
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	775	-0.17494	0.0001	9
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	1474	0.7842	0.0001	9
SULFATE	120	P00945	HARDNESS	P00900	1686	0.65516	0.0001	9
SULFATE	120	P00945	IRON	P01046	1673	0.1979	0.0001	9
SULFATE	120	P00945	MANGANESE	P01056	1654	0.41523	0.0001	[illegible]

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	120	P00945	MERCURY	P71890	39	0.58941	0.0001	9
SULFATE	120	P00945	PH	P00400	1707	-0.22379	0.0001	9
SULFATE	120	P00945	RADIUM-226	P09511	6	0.93351	0.0065	9
SULFATE	120	P00945	RADIUM-226	P76001	6	0.93272	0.0066	9
SULFATE	120	P00945	RADON	P82303	101	-0.27739	0.005	9
SULFATE	120	P00945	SELENIUM	P01145	242	0.19973	0.0018	9
SULFATE	120	P00945	THALLIUM	P01057	13	0.99261	0.0001	9
SULFATE	120	P00945	WELL-DEPTH	P72008	1506	-0.14748	0.0001	9
SULFATE	150	P00945	ALKALINITY	P39036	597	0.48393	0.0001	9
SULFATE	150	P00945	ANTIMONY	P01095	113	0.32477	0.0004	9
SULFATE	150	P00945	BERYLLIUM	P01010	293	0.28693	0.0001	9
SULFATE	150	P00945	CADMIUM	P01025	377	0.48551	0.0001	9
SULFATE	150	P00945	CONDUCTANCE	P00095	1360	0.64677	0.0001	9
SULFATE	150	P00945	CYANIDE	P00723	5	0.90006	0.0374	9
SULFATE	150	P00945	DEPTH-BELOW-LAN	P72019	553	-0.20022	0.0001	9
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	594	-0.192	0.0001	9
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	1153	0.77857	0.0001	9
SULFATE	150	P00945	HARDNESS	P00900	1340	0.64335	0.0001	9
SULFATE	150	P00945	IRON	P01046	1337	0.19215	0.0001	9
SULFATE	150	P00945	MANGANESE	P01056	1315	0.41066	0.0001	9
SULFATE	150	P00945	MERCURY	P71890	32	0.58786	0.0004	9
SULFATE	150	P00945	NITRITE	P00613	1228	0.06337	0.0264	9
SULFATE	150	P00945	PH	P00400	1346	-0.21008	0.0001	9
SULFATE	150	P00945	RADIUM-226	P09511	5	0.93928	0.0178	9
SULFATE	150	P00945	RADIUM-226	P76001	5	0.93839	0.0182	9
SULFATE	150	P00945	RADON	P82303	88	-0.26606	0.0122	9
SULFATE	150	P00945	SELENIUM	P01145	202	0.19088	0.0065	9
SULFATE	150	P00945	THALLIUM	P01057	10	0.99221	0.0001	9
SULFATE	150	P00945	WELL-DEPTH	P72008	1191	-0.14886	0.0001	9
SULFATE	250	P00945	ALKALINITY	P39036	279	0.46422	0.0001	9
SULFATE	250	P00945	ANTIMONY	P01095	67	0.30679	0.0116	9
SULFATE	250	P00945	BARIUM	P01005	322	0.13271	0.0172	9
SULFATE	250	P00945	BERYLLIUM	P01010	141	0.25869	0.002	9
SULFATE	250	P00945	CADMIUM	P01025	221	0.43402	0.0001	9
SULFATE	250	P00945	CONDUCTANCE	P00095	799	0.62178	0.0001	9
SULFATE	250	P00945	CYANIDE	P00723	5	0.90006	0.0374	9
SULFATE	250	P00945	DEPTH-BELOW-LAN	P72019	338	-0.16156	0.0029	9
SULFATE	250	P00945	DISSOLVED-OXYGE	P00300	327	-0.22625	0.0001	9
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	706	0.76614	0.0001	9
SULFATE	250	P00945	HARDNESS	P00900	800	0.61273	0.0001	9
SULFATE	250	P00945	IRON	P01046	799	0.17331	0.0001	9
SULFATE	250	P00945	MANGANESE	P01056	779	0.39631	0.0001	9
SULFATE	250	P00945	MERCURY	P71890	18	0.58205	0.0113	9
SULFATE	250	P00945	NITRITE	P00613	694	0.1512	0.0001	9
SULFATE	250	P00945	PH	P00400	790	-0.18178	0.0001	9
SULFATE	250	P00945	THALLIUM	P01057	5	0.98968	0.0013	9
SULFATE	250	P00945	WELL-DEPTH	P72008	731	-0.17379	0.0001	9
SULFATE	500	P00945	ALKALINITY	P39036	129	0.45093	0.0001	9
SULFATE	500	P00945	BERYLLIUM	P01010	92	0.23201	0.0261	9
SULFATE	500	P00945	CADMIUM	P01025	159	0.38495	0.0001	9
SULFATE	500	P00945	CONDUCTANCE	P00095	445	0.58392	0.0001	9

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	500	P00945	DISSOLVED-OXYGE	P00300	188	-0.22362	0.002	[illegible]
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	384	0.74519	0.0001	9
SULFATE	500	P00945	HARDNESS	P00900	445	0.57176	0.0001	9
SULFATE	500	P00945	IRON	P01046	444	0.14098	0.0029	9
SULFATE	500	P00945	MANGANESE	P01056	430	0.36596	0.0001	9
SULFATE	500	P00945	NITRITE	P00613	374	0.13079	0.0113	9
SULFATE	500	P00945	PH	P00400	437	-0.17455	0.0002	9
SULFATE	500	P00945	THALLIUM	P01057	3	0.9983	0.0371	9
SULFATE	500	P00945	WELL-DEPTH	P72008	417	-0.14633	0.0027	9
THALLIUM	0	P01057	CONDUCTANCE	P00095	26	0.99927	0.0001	9
THALLIUM	0	P01057	DEPTH-BELOW-LAN	P72019	16	-0.56052	0.0239	9
THALLIUM	0	P01057	DISSOLVED-SOLID	P70301	26	0.99833	0.0001	9
THALLIUM	0	P01057	HARDNESS	P00900	26	0.95415	0.0001	9
THALLIUM	2	P01057	CONDUCTANCE	P00095	3	0.99929	0.024	9
THALLIUM	2	P01057	SULFATE	P00945	3	0.9983	0.0371	9
URANIUM-235	0	P22620	ANTIMONY	P01095	15	0.53939	0.038	9
URANIUM-235	0	P22620	BERYLLIUM	P01010	15	0.53911	0.0381	9
URANIUM-235	0	P22620	CADMIUM	P01025	15	0.5419	0.0369	9
URANIUM-235	0	P22620	CHROMIUM	P01030	15	0.58299	0.0225	9
URANIUM-235	0	P22620	URANIUM-238	P22603	18	0.67087	0.0023	9
URANIUM-238	0	P22603	ALKALINITY	P39036	6	-0.95754	0.0027	9
URANIUM-238	0	P22603	ANTIMONY	P01095	15	0.76873	0.0008	9
URANIUM-238	0	P22603	BERYLLIUM	P01010	15	0.75188	0.0012	9
URANIUM-238	0	P22603	CADMIUM	P01025	15	0.76772	0.0008	9
URANIUM-238	0	P22603	CHROMIUM	P01030	15	0.76499	0.0009	9
URANIUM-238	0	P22603	CONDUCTANCE	P00095	11	0.9392	0.0001	[illegible]
URANIUM-238	0	P22603	DISSOLVED-OXYGE	P00300	6	-0.83697	0.0377	9
URANIUM-238	0	P22603	DISSOLVED-SOLID	P70301	15	0.92173	0.0001	9
URANIUM-238	0	P22603	IRON	P01046	15	0.72104	0.0024	9
URANIUM-238	0	P22603	MANGANESE	P01056	15	0.94058	0.0001	9
URANIUM-238	0	P22603	NICKEL	P01065	15	0.7233	0.0023	9
URANIUM-238	0	P22603	SELENIUM	P01145	15	0.80371	0.0003	9
URANIUM-238	5	P22603	DISSOLVED-SOLID	P70301	6	0.89595	0.0157	9
URANIUM-238	5	P22603	MANGANESE	P01056	6	0.92275	0.0087	9
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	1816	0.09864	0.0001	9
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	2021	0.12042	0.0001	9
WELL-DEPTH	0	P72008	PH	P00400	4247	0.3159	0.0001	9
ALKALINITY	0	P39036	CONDUCTANCE	P00095	10	0.79545	0.0059	10
ANTIMONY	0	P01095	BARIUM	P01005	128	0.37092	0.0001	10
ANTIMONY	0	P01095	BERYLLIUM	P01010	128	0.99994	0.0001	10
ANTIMONY	0	P01095	CADMIUM	P01025	128	1	0.0001	10
ANTIMONY	0	P01095	CONDUCTANCE	P00095	128	0.99948	0.0001	10
ANTIMONY	0	P01095	NICKEL	P01065	128	0.99064	0.0001	10
ANTIMONY	0	P01095	PH	P00400	128	0.18572	0.0358	10
ARSENIC	0	P01002	BARIUM	P01007	117	0.34695	0.0001	10
ARSENIC	0	P01002	BERYLLIUM	P01010	55	0.40813	0.002	10
ARSENIC	0	P01000	CHROMIUM	P01032	118	-0.31538	0.0005	10
ARSENIC	0	P01000	CHROMIUM	P01034	66	-0.28454	0.0206	10
ARSENIC	0	P01002	CONDUCTANCE	P00095	193	0.26608	0.0002	10
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	655	-0.09165	0.019	10
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	13	-0.64599	0.0171	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01002	MERCURY	P71900	116	0.35121	0.0001	10
ARSENIC	0	P01000	NITRATE	P00618	187	0.2409	0.0009	10
ARSENIC	0	P01002	NITRATE	P00618	13	-0.66133	0.0138	10
ARSENIC	0	P01002	NITRITE	P00613	108	0.53065	0.0001	10
ARSENIC	0	P01002	PH	P00400	105	0.38099	0.0001	10
ARSENIC	0	P01000	SELENIUM	P01145	2416	0.06021	0.0031	10
ARSENIC	0	P01002	SELENIUM	P01147	117	0.42155	0.0001	10
ARSENIC	0	P01000	WELL-DEPTH	P72008	2717	-0.05425	0.0047	10
ARSENIC	0	P01002	WELL-DEPTH	P72008	161	-0.47016	0.0001	10
ARSENIC	2	P01002	BARIUM	P01007	99	0.53115	0.0001	10
ARSENIC	2	P01002	BERYLLIUM	P01010	49	0.45406	0.001	10
ARSENIC	2	P01000	CADMIUM	P01027	9	0.70711	0.0331	10
ARSENIC	2	P01000	CHROMIUM	P01034	62	-0.30687	0.0153	10
ARSENIC	2	P01002	CHROMIUM	P01030	12	-0.75262	0.0047	10
ARSENIC	2	P01000	CONDUCTANCE	P00095	1771	0.05898	0.013	10
ARSENIC	2	P01002	CONDUCTANCE	P00095	163	0.26553	0.0006	10
ARSENIC	2	P01000	DEPTH-BELOW-LAN	P72019	253	-0.12768	0.0424	10
ARSENIC	2	P01002	DISSOLVED-OXYGE	P00300	9	-0.80861	0.0083	10
ARSENIC	2	P01000	MANGANESE	P01055	9	0.86654	0.0025	10
ARSENIC	2	P01002	MERCURY	P71900	98	0.35081	0.0004	10
ARSENIC	2	P01000	NITRATE	P00618	124	0.2283	0.0108	10
ARSENIC	2	P01002	NITRATE	P00618	10	-0.77637	0.0083	10
ARSENIC	2	P01002	NITRITE	P00613	91	0.64236	0.0001	10
ARSENIC	2	P01002	PH	P00400	87	0.41017	0.0001	10
ARSENIC	2	P01000	SELENIUM	P01145	1517	0.05383	0.0361	10
ARSENIC	2	P01002	SELENIUM	P01147	99	0.42415	0.0001	10
ARSENIC	2	P01000	WELL-DEPTH	P72008	1712	-0.088	0.0003	10
ARSENIC	2	P01002	WELL-DEPTH	P72008	127	-0.5401	0.0001	10
ARSENIC	5	P01002	CONDUCTANCE	P00095	72	0.4179	0.0003	10
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	4	-0.96753	0.0325	10
ARSENIC	5	P01002	PH	P00400	4	0.96224	0.0378	10
ARSENIC	5	P01000	URANIUM-235	P22620	4	0.98198	0.018	10
ARSENIC	5	P01000	WELL-DEPTH	P72008	735	-0.0808	0.0285	10
ARSENIC	5	P01002	WELL-DEPTH	P72008	31	-0.42475	0.0172	10
ARSENIC	10	P01002	CONDUCTANCE	P00095	64	0.4116	0.0007	10
ARSENIC	10	P01002	WELL-DEPTH	P72008	29	-0.6092	0.0005	10
ARSENIC	20	P01000	CONDUCTANCE	P00095	180	0.18638	0.0122	10
ARSENIC	20	P01002	CONDUCTANCE	P00095	39	0.35022	0.0288	10
ARSENIC	20	P01000	IRON	P01046	167	0.17332	0.0251	10
ARSENIC	20	P01000	NITRATE	P00618	24	0.55112	0.0053	10
ARSENIC	20	P01002	WELL-DEPTH	P72008	18	-0.61634	0.0065	10
BARIUM	0	P01005	CADMIUM	P01027	37	-0.39773	0.0148	10
BARIUM	0	P01007	CHROMIUM	P01034	117	-0.19711	0.0332	10
BARIUM	0	P01005	CONDUCTANCE	P00095	476	0.21897	0.0001	10
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	264	-0.14124	0.0217	10
BARIUM	0	P01007	MANGANESE	P01055	117	0.52287	0.0001	10
BARIUM	0	P01007	PH	P00400	103	-0.24248	0.0136	10
BARIUM	0	P01005	SELENIUM	P01147	7	0.86575	0.0118	10
BARIUM	0	P01007	SELENIUM	P01147	117	0.2153	0.0197	10
BERYLLIUM	0	P01010	CADMIUM	P01025	434	0.95963	0.0001	10
BERYLLIUM	0	P01010	CADMIUM	P01027	84	0.30309	0.0051	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	0	P01010	CHROMIUM	P01030	436	0.87401	0.0001	10
BERYLLIUM	0	P01010	CHROMIUM	P01032	129	0.25097	0.0041	10
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	427	0.3669	0.0001	10
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	254	0.94298	0.0001	10
BERYLLIUM	0	P01010	HARDNESS	P00900	358	0.92005	0.0001	10
BERYLLIUM	0	P01010	IRON	P01046	361	0.71398	0.0001	10
BERYLLIUM	0	P01010	MANGANESE	P01056	433	0.98318	0.0001	10
BERYLLIUM	0	P01010	NICKEL	P01065	434	0.94805	0.0001	10
BERYLLIUM	0	P01010	NICKEL	P01067	60	-0.29108	0.024	10
BERYLLIUM	0	P01010	PH	P00400	427	-0.62506	0.0001	10
BERYLLIUM	0	P01010	SELENIUM	P01145	357	0.403	0.0001	10
BERYLLIUM	4	P01010	ARSENIC	P01000	27	0.5655	0.0021	10
BERYLLIUM	4	P01010	CADMIUM	P01025	29	0.93158	0.0001	10
BERYLLIUM	4	P01010	CHROMIUM	P01030	29	0.85895	0.0001	10
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	8	0.98628	0.0001	10
BERYLLIUM	4	P01010	HARDNESS	P00900	28	0.94448	0.0001	10
BERYLLIUM	4	P01010	IRON	P01046	29	0.71248	0.0001	10
BERYLLIUM	4	P01010	MANGANESE	P01056	29	0.96848	0.0001	10
BERYLLIUM	4	P01010	NICKEL	P01065	29	0.90433	0.0001	10
BERYLLIUM	4	P01010	PH	P00400	28	-0.46509	0.0126	10
BERYLLIUM	4	P01010	SULFATE	P00945	29	0.97172	0.0001	10
BERYLLIUM	4	P01010	WELL-DEPTH	P72008	14	0.66443	0.0095	10
CADMIUM	0	P01025	CHROMIUM	P01030	2493	0.84317	0.0001	10
CADMIUM	0	P01027	CHROMIUM	P01030	48	-0.47356	0.0007	10
CADMIUM	0	P01025	CONDUCTANCE	P00095	2450	0.36593	0.0001	10
CADMIUM	0	P01027	CONDUCTANCE	P00095	133	-0.57097	0.0001	10
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	2286	0.83565	0.0001	10
CADMIUM	0	P01025	HARDNESS	P00900	2415	0.84162	0.0001	10
CADMIUM	0	P01027	HARDNESS	P00900	42	-0.72887	0.0001	10
CADMIUM	0	P01025	IRON	P01046	2422	0.76276	0.0001	10
CADMIUM	0	P01025	MANGANESE	P01056	2494	0.96338	0.0001	10
CADMIUM	0	P01027	MANGANESE	P01055	148	0.55041	0.0001	10
CADMIUM	0	P01025	NICKEL	P01065	434	0.94292	0.0001	10
CADMIUM	0	P01027	NICKEL	P01065	37	0.45552	0.0046	10
CADMIUM	0	P01025	PH	P00400	2451	-0.40038	0.0001	10
CADMIUM	0	P01027	PH	P00400	133	-0.8032	0.0001	10
CADMIUM	0	P01027	SELENIUM	P01145	36	-0.6742	0.0001	10
CADMIUM	5	P01025	ARSENIC	P01000	32	0.47345	0.0062	10
CADMIUM	5	P01025	BERYLLIUM	P01010	28	0.92521	0.0001	10
CADMIUM	5	P01025	CHROMIUM	P01030	34	0.82639	0.0001	10
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	17	0.93891	0.0001	10
CADMIUM	5	P01025	HARDNESS	P00900	33	0.87328	0.0001	10
CADMIUM	5	P01025	IRON	P01046	34	0.75088	0.0001	10
CADMIUM	5	P01025	MANGANESE	P01056	34	0.93622	0.0001	10
CADMIUM	5	P01025	NICKEL	P01065	28	0.88871	0.0001	10
CADMIUM	5	P01025	PH	P00400	34	-0.45654	0.0066	10
CADMIUM	5	P01025	SELENIUM	P01145	33	0.43562	0.0113	10
CADMIUM	5	P01025	SULFATE	P00945	34	0.93549	0.0001	10
CHROMIUM	0	P01030	CONDUCTANCE	P00095	3139	0.22948	0.0001	10
CHROMIUM	0	P01034	CONDUCTANCE	P00095	245	0.58772	0.0001	10
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	2286	0.80751	0.0001	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01032	DISSOLVED-SOLID	P70301	62	-0.26093	0.0405	10
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	73	-0.40923	0.0003	10
CHROMIUM	0	P01030	HARDNESS	P00900	2415	0.88101	0.0001	10
CHROMIUM	0	P01030	IRON	P01046	2423	0.60152	0.0001	10
CHROMIUM	0	P01034	IRON	P01045	232	0.23809	0.0003	10
CHROMIUM	0	P01030	MANGANESE	P01056	2495	0.8639	0.0001	10
CHROMIUM	0	P01030	NICKEL	P01065	434	0.80445	0.0001	10
CHROMIUM	0	P01030	NICKEL	P01067	39	0.74291	0.0001	10
CHROMIUM	0	P01032	NICKEL	P01065	127	-0.23333	0.0083	10
CHROMIUM	0	P01034	NICKEL	P01065	72	-0.34152	0.0033	10
CHROMIUM	0	P01034	NICKEL	P01067	224	0.67672	0.0001	10
CHROMIUM	0	P01030	PH	P00400	3140	-0.24877	0.0001	10
CHROMIUM	0	P01032	PH	P00400	700	-0.12642	0.0008	10
CHROMIUM	0	P01032	SELENIUM	P01145	86	0.66202	0.0001	10
CHROMIUM	0	P01034	SELENIUM	P01145	66	0.4266	0.0004	10
CHROMIUM	0	P01032	WELL-DEPTH	P72008	688	-0.20622	0.0001	10
CHROMIUM	100	P01030	BARIUM	P01005	27	0.80367	0.0001	10
CHROMIUM	100	P01030	BERYLLIUM	P01010	27	0.73705	0.0001	10
CHROMIUM	100	P01030	CADMIUM	P01025	27	0.72885	0.0001	10
CHROMIUM	100	P01030	CONDUCTANCE	P00095	71	0.44862	0.0001	10
CHROMIUM	100	P01032	CONDUCTANCE	P00095	38	0.43893	0.0058	10
CHROMIUM	100	P01030	HARDNESS	P00900	20	0.75272	0.0001	10
CHROMIUM	100	P01030	IRON	P01046	20	0.50541	0.023	10
CHROMIUM	100	P01030	MANGANESE	P01056	27	0.75482	0.0001	10
CHROMIUM	100	P01030	NICKEL	P01065	27	0.62439	0.0005	10
CHROMIUM	100	P01030	PH	P00400	71	-0.36715	0.0016	10
CHROMIUM	100	P01030	RADON	P76002	19	0.56087	0.0125	10
CHROMIUM	100	P01030	SULFATE	P00945	35	0.54784	0.0007	10
CYANIDE	0	P00723	CONDUCTANCE	P00095	802	0.12239	0.0005	10
CYANIDE	0	P00723	DISSOLVED-SOLID	P70301	799	0.14463	0.0001	10
CYANIDE	0	P00723	HARDNESS	P00900	802	0.08386	0.0175	10
CYANIDE	0	P00723	SELENIUM	P01145	798	0.17598	0.0001	10
DEPTH-BELOW-LAN	0	P72019	DISSOLVED-OXYGE	P00300	293	0.62007	0.0001	10
DEPTH-BELOW-LAN	0	P72019	TURBIDITY	P00076	5	0.98578	0.002	10
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	3287	0.96095	0.0001	10
DISSOLVED-SOLID	0	P70301	DEPTH-BELOW-LAN	P72019	591	0.0825	0.045	10
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	3379	0.98348	0.0001	10
DISSOLVED-SOLID	0	P70301	PH	P00400	3283	-0.06945	0.0001	10
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	3101	0.0422	0.0188	10
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	48	0.96039	0.0001	10
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	384	0.89727	0.0001	10
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	384	0.86235	0.0001	10
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	526	0.95744	0.0001	10
DISSOLVED-SOLID	500	P70301	CYANIDE	P00723	126	0.25876	0.0034	10
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	149	-0.16321	0.0467	10
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	532	0.98406	0.0001	10
DISSOLVED-SOLID	500	P70301	IRON	P01046	480	0.39828	0.0001	10
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	480	0.4187	0.0001	10
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	48	0.96242	0.0001	10
DISSOLVED-SOLID	500	P70301	PH	P00400	527	-0.16722	0.0001	10
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	532	0.44701	0.0001	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	0	P00900	ALKALINITY	P39036	8	0.73157	0.0391	10
HARDNESS	0	P00900	CONDUCTANCE	P00095	3456	0.9663	0.0001	10
HARDNESS	0	P00900	PH	P00400	3452	-0.17283	0.0001	10
HARDNESS	0	P00900	TURBIDITY	P00076	40	0.46599	0.0024	10
HARDNESS	300	P00900	BERYLLIUM	P01010	68	0.92299	0.0001	10
HARDNESS	300	P00900	CADMIUM	P01025	377	0.88153	0.0001	10
HARDNESS	300	P00900	CHROMIUM	P01030	377	0.91904	0.0001	10
HARDNESS	300	P00900	CONDUCTANCE	P00095	524	0.96556	0.0001	10
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	503	0.9861	0.0001	10
HARDNESS	300	P00900	IRON	P01046	472	0.22385	0.0001	10
HARDNESS	300	P00900	MANGANESE	P01056	472	0.29757	0.0001	10
HARDNESS	300	P00900	NICKEL	P01065	68	0.87889	0.0001	10
HARDNESS	300	P00900	PH	P00400	525	-0.27693	0.0001	10
HARDNESS	300	P00900	RADON	P76002	200	0.50848	0.0001	10
HARDNESS	300	P00900	RADON	P82303	201	0.47717	0.0001	10
HARDNESS	300	P00900	SULFATE	P00945	532	0.35743	0.0001	10
HARDNESS	300	P00900	URANIUM-235	P22620	29	0.37006	0.0482	10
IRON	0	P01045	ALKALINITY	P39036	3	0.99723	0.0474	10
IRON	0	P01046	CONDUCTANCE	P00095	3523	0.12136	0.0001	10
IRON	0	P01046	DISSOLVED-SOLID	P70301	3214	0.39643	0.0001	10
IRON	0	P01046	HARDNESS	P00900	3389	0.23861	0.0001	10
IRON	0	P01045	MANGANESE	P01055	117	0.40639	0.0001	10
IRON	0	P01046	MANGANESE	P01056	3525	0.7785	0.0001	10
IRON	0	P01045	NICKEL	P01067	229	0.3358	0.0001	10
IRON	0	P01046	NICKEL	P01065	366	0.849	0.0001	10
IRON	0	P01045	PH	P00400	225	-0.3122	0.0001	10
IRON	0	P01046	PH	P00400	3517	-0.15086	0.0001	10
IRON	0	P01046	TURBIDITY	P00076	24	0.96586	0.0001	10
IRON	300	P01046	BERYLLIUM	P01010	64	0.70151	0.0001	10
IRON	300	P01046	CADMIUM	P01025	219	0.76031	0.0001	10
IRON	300	P01046	CHROMIUM	P01030	220	0.61075	0.0001	10
IRON	300	P01046	CONDUCTANCE	P00095	394	0.16422	0.0011	10
IRON	300	P01046	DISSOLVED-SOLID	P70301	320	0.62257	0.0001	10
IRON	300	P01046	HARDNESS	P00900	386	0.28391	0.0001	10
IRON	300	P01045	MANGANESE	P01055	34	0.5989	0.0002	10
IRON	300	P01046	MANGANESE	P01056	403	0.77774	0.0001	10
IRON	300	P01046	NICKEL	P01065	66	0.85242	0.0001	10
IRON	300	P01045	PH	P00400	73	-0.53259	0.0001	10
IRON	300	P01046	PH	P00400	395	-0.28706	0.0001	10
IRON	300	P01046	RADON	P76002	120	0.30467	0.0007	10
IRON	300	P01046	RADON	P82303	121	0.22823	0.0118	10
IRON	300	P01046	SELENIUM	P01145	223	0.69935	0.0001	10
IRON	300	P01046	SULFATE	P00945	395	0.71735	0.0001	10
IRON	300	P01046	TURBIDITY	P00076	11	0.97609	0.0001	10
IRON	300	P01045	WELL-DEPTH	P72008	72	0.34701	0.0028	10
IRON	2500	P01046	BERYLLIUM	P01010	32	0.71441	0.0001	10
IRON	2500	P01046	CADMIUM	P01025	57	0.80022	0.0001	10
IRON	2500	P01046	CHROMIUM	P01030	58	0.63036	0.0001	10
IRON	2500	P01046	DEPTH-BELOW-LAN	P72019	21	0.87138	0.0001	10
IRON	2500	P01046	DISSOLVED-SOLID	P70301	84	0.68789	0.0001	10
IRON	2500	P01046	HARDNESS	P00900	123	0.27628	0.002	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	2500	P01046	MANGANESE	P01056	126	0.78662	0.0001	10
IRON	2500	P01045	NICKEL	P01067	14	0.55213	0.0406	10
IRON	2500	P01046	NICKEL	P01065	32	0.87744	0.0001	10
IRON	2500	P01046	NITRITE	P00613	98	0.4561	0.0001	10
IRON	2500	P01045	PH	P00400	16	-0.73607	0.0012	10
IRON	2500	P01046	PH	P00400	117	-0.3096	0.0007	10
IRON	2500	P01046	SELENIUM	P01145	57	0.9509	0.0001	10
IRON	2500	P01046	SULFATE	P00945	123	0.73532	0.0001	10
IRON	2500	P01046	TURBIDITY	P00076	4	0.99867	0.0013	10
IRON	2500	P01045	WELL-DEPTH	P72008	14	0.69745	0.0056	10
IRON	2500	P01046	WELL-DEPTH	P72008	85	0.28816	0.0075	10
MANGANESE	0	P01055	CONDUCTANCE	P00095	133	-0.26474	0.0021	10
MANGANESE	0	P01056	CONDUCTANCE	P00095	3523	0.17044	0.0001	10
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	3208	0.42524	0.0001	10
MANGANESE	0	P01056	HARDNESS	P00900	3383	0.33001	0.0001	10
MANGANESE	0	P01056	NICKEL	P01065	438	0.94458	0.0001	10
MANGANESE	0	P01055	PH	P00400	133	-0.3462	0.0001	10
MANGANESE	0	P01056	PH	P00400	3517	-0.32869	0.0001	10
MANGANESE	50	P01055	ARSENIC	P01002	4	-1	0.0001	10
MANGANESE	50	P01055	BARIUM	P01007	4	1	0.0001	10
MANGANESE	50	P01056	BERYLLIUM	P01010	125	0.98202	0.0001	10
MANGANESE	50	P01056	CADMIUM	P01025	434	0.96432	0.0001	10
MANGANESE	50	P01056	CHROMIUM	P01030	436	0.91554	0.0001	10
MANGANESE	50	P01056	CONDUCTANCE	P00095	754	0.19535	0.0001	10
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	348	0.14599	0.0064	10
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	644	0.43691	0.0001	10
MANGANESE	50	P01056	HARDNESS	P00900	735	0.3415	0.0001	10
MANGANESE	50	P01055	IRON	P01045	4	-0.9914	0.0086	10
MANGANESE	50	P01056	IRON	P01046	773	0.7774	0.0001	10
MANGANESE	50	P01055	NICKEL	P01067	4	-0.9798	0.0202	10
MANGANESE	50	P01056	NICKEL	P01065	128	0.93932	0.0001	10
MANGANESE	50	P01056	PH	P00400	755	-0.49562	0.0001	10
MANGANESE	50	P01055	RADON	P76002	13	-0.56471	0.0444	10
MANGANESE	50	P01056	RADON	P76002	230	0.37988	0.0001	10
MANGANESE	50	P01056	RADON	P82303	231	0.38993	0.0001	10
MANGANESE	50	P01056	SULFATE	P00945	757	0.96838	0.0001	10
MANGANESE	50	P01056	URANIUM-235	P22620	45	0.3652	0.0136	10
MANGANESE	50	P01055	WELL-DEPTH	P72008	4	-0.99969	0.0003	10
MERCURY	0	P71900	NITRITE	P00613	226	0.26347	0.0001	10
NICKEL	0	P01065	CONDUCTANCE	P00095	398	0.32351	0.0001	10
NICKEL	0	P01067	CONDUCTANCE	P00095	215	0.484	0.0001	10
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	11	-0.64039	0.0338	10
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	259	0.93694	0.0001	10
NICKEL	0	P01065	HARDNESS	P00900	363	0.88131	0.0001	10
NICKEL	0	P01065	PH	P00400	398	-0.55964	0.0001	10
NICKEL	0	P01065	SELENIUM	P01145	362	0.58399	0.0001	10
NICKEL	100	P01065	BERYLLIUM	P01010	33	0.90819	0.0001	10
NICKEL	100	P01065	CADMIUM	P01025	33	0.90236	0.0001	10
NICKEL	100	P01065	CHROMIUM	P01030	33	0.72991	0.0001	10
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	16	0.99213	0.0001	10
NICKEL	100	P01065	HARDNESS	P00900	32	0.88915	0.0001	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	100	P01065	IRON	P01046	33	0.87472	0.0001	1
NICKEL	100	P01065	MANGANESE	P01056	33	0.9016	0.0001	10
NICKEL	100	P01065	PH	P00400	33	-0.41971	0.015	10
NICKEL	100	P01065	SELENIUM	P01145	32	0.66916	0.0001	10
NICKEL	100	P01065	SULFATE	P00945	33	0.91518	0.0001	10
NITRATE	0	P00618	BARIUM	P01007	13	-0.65773	0.0145	10
NITRATE	0	P00618	CONDUCTANCE	P00095	475	0.40728	0.0001	10
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	260	0.40565	0.0001	10
NITRATE	0	P00618	HARDNESS	P00900	269	0.43234	0.0001	10
NITRATE	0	P00618	MANGANESE	P01055	13	-0.58426	0.036	10
NITRATE	0	P00618	NITRITE	P00613	519	0.1989	0.0001	10
NITRATE	0	P00618	PH	P00400	474	-0.1107	0.0159	10
NITRATE	0	P00618	SELENIUM	P01145	163	0.1688	0.0312	10
NITRATE	0	P00618	WELL-DEPTH	P72008	524	-0.16214	0.0002	10
NITRATE	8	P00618	RADON	P76002	17	-0.50689	0.0378	10
NITRATE	10	P00618	RADON	P76002	14	-0.64074	0.0136	10
NITRITE	0	P00613	CONDUCTANCE	P00095	5168	0.05396	0.0001	10
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	3179	0.06567	0.0002	10
NITRITE	0	P00613	HARDNESS	P00900	3327	0.07184	0.0001	10
NITRITE	0	P00613	SELENIUM	P01145	2338	0.07591	0.0002	10
NITRITE	0	P00613	TURBIDITY	P00076	37	0.33775	0.0409	10
PH	0	P00400	ALKALINITY	P39036	11	-0.82162	0.0019	10
PH	0	P00400	CONDUCTANCE	P00095	7867	-0.09337	0.0001	10
RADIUM-226	0	P09511	CADMIUM	P01025	31	0.51331	0.0031	10
RADIUM-226	0	P76001	CADMIUM	P01025	30	0.508	0.0042	10
RADIUM-226	0	P09511	CONDUCTANCE	P00095	30	0.83459	0.0001	1
RADIUM-226	0	P76001	CONDUCTANCE	P00095	30	0.83599	0.0001	10
RADIUM-226	0	P09511	HARDNESS	P00900	31	0.82923	0.0001	10
RADIUM-226	0	P76001	HARDNESS	P00900	30	0.88144	0.0001	10
RADIUM-226	0	P09511	MANGANESE	P01056	32	0.36815	0.0382	10
RADIUM-226	0	P76001	MANGANESE	P01056	31	0.35791	0.048	10
RADIUM-226	0	P09511	URANIUM-235	P22620	30	0.4273	0.0185	10
RADIUM-226	0	P76001	URANIUM-235	P22620	30	0.42308	0.0198	10
RADIUM-226	0	P09511	URANIUM-238	P22603	30	0.52685	0.0028	10
RADIUM-226	0	P76001	URANIUM-238	P22603	30	0.52351	0.003	10
RADON	0	P76002	CADMIUM	P01025	750	0.25252	0.0001	10
RADON	0	P82303	CADMIUM	P01025	753	0.24148	0.0001	10
RADON	0	P76002	CHROMIUM	P01030	751	0.35477	0.0001	10
RADON	0	P82303	CHROMIUM	P01030	754	0.33419	0.0001	10
RADON	0	P76002	CONDUCTANCE	P00095	1315	0.2634	0.0001	10
RADON	0	P82303	CONDUCTANCE	P00095	1318	0.26752	0.0001	10
RADON	0	P76002	HARDNESS	P00900	1091	0.28949	0.0001	10
RADON	0	P82303	HARDNESS	P00900	1094	0.30445	0.0001	10
RADON	0	P76002	IRON	P01046	1191	0.14088	0.0001	10
RADON	0	P82303	IRON	P01046	1194	0.13215	0.0001	10
RADON	0	P76002	MANGANESE	P01056	1191	0.26025	0.0001	10
RADON	0	P82303	MANGANESE	P01056	1194	0.28347	0.0001	10
RADON	0	P76002	PH	P00400	1294	-0.25615	0.0001	10
RADON	0	P82303	PH	P00400	1297	-0.27286	0.0001	10
RADON	100	P82303	CADMIUM	P01025	690	0.26963	0.0001	10
RADON	100	P82303	CHROMIUM	P01030	691	0.39242	0.0001	1

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
RADON	100	P82303	CONDUCTANCE	P00095	1239	0.29335	0.0001	10
RADON	100	P82303	DISSOLVED-SOLID	P70301	968	0.08444	0.0086	10
RADON	100	P82303	HARDNESS	P00900	1015	0.35274	0.0001	10
RADON	100	P82303	IRON	P01046	1115	0.19697	0.0001	10
RADON	100	P82303	MANGANESE	P01056	1115	0.33315	0.0001	10
RADON	100	P82303	PH	P00400	1218	-0.28337	0.0001	10
RADON	100	P82303	SULFATE	P00945	1079	0.34224	0.0001	10
RADON	300	P82303	CADMIUM	P01025	554	0.31151	0.0001	10
RADON	300	P82303	CHROMIUM	P01030	555	0.39299	0.0001	10
RADON	300	P82303	CONDUCTANCE	P00095	995	0.32431	0.0001	10
RADON	300	P82303	DEPTH-BELOW-LAN	P72019	46	0.31526	0.0328	10
RADON	300	P82303	DISSOLVED-SOLID	P70301	747	0.16164	0.0001	10
RADON	300	P82303	HARDNESS	P00900	785	0.37827	0.0001	10
RADON	300	P82303	IRON	P01046	879	0.4603	0.0001	10
RADON	300	P82303	MANGANESE	P01056	879	0.37593	0.0001	10
RADON	300	P82303	PH	P00400	973	-0.29248	0.0001	10
RADON	300	P82303	SULFATE	P00945	843	0.37488	0.0001	10
RADON	500	P82303	CADMIUM	P01025	381	0.30042	0.0001	10
RADON	500	P82303	CHROMIUM	P01030	381	0.38134	0.0001	10
RADON	500	P82303	CONDUCTANCE	P00095	643	0.32659	0.0001	10
RADON	500	P82303	DISSOLVED-SOLID	P70301	467	0.16752	0.0003	10
RADON	500	P82303	HARDNESS	P00900	502	0.37138	0.0001	10
RADON	500	P82303	IRON	P01046	566	0.45835	0.0001	10
RADON	500	P82303	MANGANESE	P01056	566	0.36817	0.0001	10
RADON	500	P82303	PH	P00400	629	-0.31612	0.0001	10
RADON	500	P82303	SULFATE	P00945	542	0.36479	0.0001	10
RADON	1000	P82303	CADMIUM	P01025	162	0.27812	0.0003	10
RADON	1000	P82303	CHROMIUM	P01030	162	0.3565	0.0001	10
RADON	1000	P82303	CONDUCTANCE	P00095	258	0.33418	0.0001	10
RADON	1000	P82303	DEPTH-BELOW-LAN	P72019	17	0.74724	0.0006	10
RADON	1000	P82303	DISSOLVED-SOLID	P70301	160	0.16705	0.0347	10
RADON	1000	P82303	HARDNESS	P00900	185	0.35252	0.0001	10
RADON	1000	P82303	IRON	P01046	215	0.44701	0.0001	10
RADON	1000	P82303	MANGANESE	P01056	215	0.35744	0.0001	10
RADON	1000	P82303	PH	P00400	250	-0.32389	0.0001	10
RADON	1000	P82303	SULFATE	P00945	204	0.35238	0.0001	10
RADON	3000	P82303	IRON	P01046	37	0.32943	0.0465	10
SELENIUM	0	P01145	CONDUCTANCE	P00095	2388	0.05521	0.007	10
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	2272	0.11953	0.0001	10
SELENIUM	0	P01145	HARDNESS	P00900	2391	0.04568	0.0255	10
SULFATE	0	P00945	BERYLLIUM	P01010	394	0.97038	0.0001	10
SULFATE	0	P00945	CADMIUM	P01025	2408	0.93614	0.0001	10
SULFATE	0	P00945	CADMIUM	P01027	148	-0.30041	0.0002	10
SULFATE	0	P00945	CHROMIUM	P01030	2592	0.76542	0.0001	10
SULFATE	0	P00945	CHROMIUM	P01034	294	0.60812	0.0001	10
SULFATE	0	P00945	CONDUCTANCE	P00095	4041	0.24591	0.0001	10
SULFATE	0	P00945	CYANIDE	P00723	803	0.12738	0.0003	10
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	3381	0.48948	0.0001	10
SULFATE	0	P00945	HARDNESS	P00900	3509	0.40877	0.0001	10
SULFATE	0	P00945	IRON	P01046	3430	0.69414	0.0001	10
SULFATE	0	P00945	MANGANESE	P01056	3458	0.96125	0.0001	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	NICKEL	P01065	352	0.93358	0.0001	1
SULFATE	0	P00945	NICKEL	P01067	229	0.60784	0.0001	10
SULFATE	0	P00945	NITRATE	P00618	317	0.22748	0.0001	10
SULFATE	0	P00945	NITRITE	P00613	3769	0.05401	0.0009	10
SULFATE	0	P00945	PH	P00400	4034	-0.39336	0.0001	10
SULFATE	0	P00945	RADIUM-226	P09511	32	0.80931	0.0001	10
SULFATE	0	P00945	RADIUM-226	P76001	31	0.81703	0.0001	10
SULFATE	0	P00945	RADON	P76002	1155	0.28968	0.0001	10
SULFATE	0	P00945	RADON	P82303	1158	0.29905	0.0001	10
SULFATE	0	P00945	SELENIUM	P01145	2392	0.09709	0.0001	10
SULFATE	0	P00945	TURBIDITY	P00076	40	0.36034	0.0224	10
SULFATE	0	P00945	URANIUM-235	P22620	71	0.58604	0.0001	10
SULFATE	25	P00945	ARSENIC	P01002	90	0.29394	0.0049	10
SULFATE	25	P00945	BERYLLIUM	P01010	182	0.97143	0.0001	10
SULFATE	25	P00945	CADMIUM	P01025	1137	0.93935	0.0001	10
SULFATE	25	P00945	CHROMIUM	P01030	1281	0.76335	0.0001	10
SULFATE	25	P00945	CHROMIUM	P01034	217	0.64709	0.0001	10
SULFATE	25	P00945	CONDUCTANCE	P00095	1934	0.4131	0.0001	10
SULFATE	25	P00945	CYANIDE	P00723	401	0.19608	0.0001	10
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	409	-0.12514	0.0113	10
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1487	0.53281	0.0001	10
SULFATE	25	P00945	HARDNESS	P00900	1511	0.60231	0.0001	10
SULFATE	25	P00945	IRON	P01046	1459	0.69829	0.0001	10
SULFATE	25	P00945	MANGANESE	P01056	1486	0.96408	0.0001	10
SULFATE	25	P00945	NICKEL	P01065	142	0.93161	0.0001	10
SULFATE	25	P00945	NICKEL	P01067	173	0.69899	0.0001	1
SULFATE	25	P00945	NITRATE	P00618	184	0.17301	0.0188	10
SULFATE	25	P00945	NITRITE	P00613	1750	0.0513	0.0319	10
SULFATE	25	P00945	PH	P00400	1930	-0.62467	0.0001	10
SULFATE	25	P00945	RADIUM-226	P09511	4	0.99627	0.0037	10
SULFATE	25	P00945	RADIUM-226	P76001	4	0.99272	0.0073	10
SULFATE	25	P00945	RADON	P76002	613	0.34921	0.0001	10
SULFATE	25	P00945	RADON	P82303	615	0.38695	0.0001	10
SULFATE	25	P00945	SELENIUM	P01145	1137	0.0835	0.0048	10
SULFATE	25	P00945	URANIUM-235	P22620	43	0.52028	0.0003	10
SULFATE	25	P00945	WELL-DEPTH	P72008	1783	-0.0544	0.0216	10
SULFATE	120	P00945	ARSENIC	P01002	10	0.84412	0.0021	10
SULFATE	120	P00945	BARIUM	P01005	57	0.72595	0.0001	10
SULFATE	120	P00945	BERYLLIUM	P01010	61	0.97196	0.0001	10
SULFATE	120	P00945	CADMIUM	P01025	228	0.94581	0.0001	10
SULFATE	120	P00945	CHROMIUM	P01030	276	0.77325	0.0001	10
SULFATE	120	P00945	CHROMIUM	P01034	16	0.68532	0.0034	10
SULFATE	120	P00945	CONDUCTANCE	P00095	391	0.38289	0.0001	10
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	292	0.52269	0.0001	10
SULFATE	120	P00945	HARDNESS	P00900	309	0.59882	0.0001	10
SULFATE	120	P00945	IRON	P01046	266	0.70644	0.0001	10
SULFATE	120	P00945	MANGANESE	P01056	273	0.96946	0.0001	10
SULFATE	120	P00945	NICKEL	P01065	57	0.92661	0.0001	10
SULFATE	120	P00945	PH	P00400	391	-0.7694	0.0001	10
SULFATE	120	P00945	RADON	P76002	137	0.42356	0.0001	10
SULFATE	120	P00945	RADON	P82303	138	0.4111	0.0001	1

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	120	P00945	URANIUM-235	P22620	31	0.43165	0.0153	10
SULFATE	150	P00945	BARIUM	P01005	53	0.77846	0.0001	10
SULFATE	150	P00945	BERYLLIUM	P01010	57	0.97216	0.0001	10
SULFATE	150	P00945	CADMIUM	P01025	167	0.94772	0.0001	10
SULFATE	150	P00945	CHROMIUM	P01030	209	0.78944	0.0001	10
SULFATE	150	P00945	CONDUCTANCE	P00095	295	0.36381	0.0001	10
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	205	0.50784	0.0001	10
SULFATE	150	P00945	HARDNESS	P00900	222	0.58005	0.0001	10
SULFATE	150	P00945	IRON	P01046	191	0.70928	0.0001	10
SULFATE	150	P00945	MANGANESE	P01056	195	0.97094	0.0001	10
SULFATE	150	P00945	NICKEL	P01065	53	0.92606	0.0001	10
SULFATE	150	P00945	PH	P00400	295	-0.77299	0.0001	10
SULFATE	150	P00945	RADON	P76002	108	0.39841	0.0001	10
SULFATE	150	P00945	RADON	P82303	109	0.38699	0.0001	10
SULFATE	150	P00945	URANIUM-235	P22620	31	0.43165	0.0153	10
SULFATE	250	P00945	BARIUM	P01005	46	0.86062	0.0001	10
SULFATE	250	P00945	BERYLLIUM	P01010	46	0.97336	0.0001	10
SULFATE	250	P00945	CADMIUM	P01025	96	0.95247	0.0001	10
SULFATE	250	P00945	CHROMIUM	P01030	122	0.9191	0.0001	10
SULFATE	250	P00945	CONDUCTANCE	P00095	172	0.30567	0.0001	10
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	115	0.46939	0.0001	10
SULFATE	250	P00945	HARDNESS	P00900	131	0.52808	0.0001	10
SULFATE	250	P00945	IRON	P01046	110	0.71699	0.0001	10
SULFATE	250	P00945	MANGANESE	P01056	110	0.97452	0.0001	10
SULFATE	250	P00945	NICKEL	P01065	46	0.92533	0.0001	10
SULFATE	250	P00945	PH	P00400	173	-0.75855	0.0001	10
SULFATE	250	P00945	RADON	P76002	76	0.36381	0.0012	10
SULFATE	250	P00945	RADON	P82303	77	0.34669	0.002	10
SULFATE	250	P00945	URANIUM-235	P22620	29	0.40484	0.0294	10
SULFATE	500	P00945	ARSENIC	P01000	59	-0.25715	0.0493	10
SULFATE	500	P00945	BARIUM	P01005	40	0.90086	0.0001	10
SULFATE	500	P00945	BERYLLIUM	P01010	40	0.97371	0.0001	10
SULFATE	500	P00945	CADMIUM	P01025	61	0.95778	0.0001	10
SULFATE	500	P00945	CHROMIUM	P01030	63	0.90398	0.0001	10
SULFATE	500	P00945	CONDUCTANCE	P00095	79	0.94711	0.0001	10
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	50	0.99356	0.0001	10
SULFATE	500	P00945	HARDNESS	P00900	66	0.97241	0.0001	10
SULFATE	500	P00945	IRON	P01046	63	0.73171	0.0001	10
SULFATE	500	P00945	MANGANESE	P01056	63	0.97873	0.0001	10
SULFATE	500	P00945	NICKEL	P01065	40	0.92339	0.0001	10
SULFATE	500	P00945	PH	P00400	80	-0.69024	0.0001	10
SULFATE	500	P00945	RADON	P76002	52	0.30378	0.0286	10
SULFATE	500	P00945	RADON	P82303	53	0.29764	0.0304	10
URANIUM-235	0	P22620	BERYLLIUM	P01010	70	0.45438	0.0001	10
URANIUM-235	0	P22620	CADMIUM	P01025	70	0.51471	0.0001	10
URANIUM-235	0	P22620	CHROMIUM	P01030	71	0.54285	0.0001	10
URANIUM-235	0	P22620	CONDUCTANCE	P00095	70	0.66324	0.0001	10
URANIUM-235	0	P22620	HARDNESS	P00900	70	0.57897	0.0001	10
URANIUM-235	0	P22620	MANGANESE	P01056	71	0.42673	0.0002	10
URANIUM-235	0	P22620	NICKEL	P01065	70	0.42966	0.0002	10
URANIUM-235	0	P22620	PH	P00400	70	-0.61752	0.0001	10

Appendix F-significant. GROUND WATER - REGIONALm (significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
URANIUM-235	0	P22620	URANIUM-238	P22603	72	0.51209	0.0001	1
URANIUM-238	0	P22603	CONDUCTANCE	P00095	70	0.30669	0.0098	10
URANIUM-238	0	P22603	HARDNESS	P00900	70	0.28454	0.017	10
URANIUM-238	5	P22603	ARSENIC	P01000	35	0.34165	0.0446	10
URANIUM-238	5	P22603	URANIUM-235	P22620	38	0.47804	0.0024	10
URANIUM-238	20	P22603	ARSENIC	P01000	28	0.38544	0.0428	10
URANIUM-238	20	P22603	URANIUM-235	P22620	30	0.45624	0.0113	10
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	968	0.62367	0.0001	10
WELL-DEPTH	0	P72008	DISSOLVED-OXYGE	P00300	2094	0.17185	0.0001	10
WELL-DEPTH	0	P72008	PH	P00400	6826	0.31516	0.0001	10

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	0	P01095	CONDUCTANCE	P00095	922	0.11285	0.0006	1
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	910	-0.06897	0.0375	1
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	891	0.12431	0.0002	1
ANTIMONY	0	P01095	HARDNESS	P00900	912	0.13652	0.0001	1
ARSENIC	0	P01002	ANTIMONY	P01095	19	0.47563	0.0396	1
ARSENIC	0	P01002	CONDUCTANCE	P00095	72	0.38024	0.001	1
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	28	0.38611	0.0424	1
ARSENIC	0	P01002	NICKEL	P01065	21	0.62241	0.0026	1
ARSENIC	0	P01002	NITRATE	P00618	63	0.33409	0.0075	1
ARSENIC	0	P01000	SULFATE	P00945	21	0.47116	0.0311	1
ARSENIC	0	P01002	SULFATE	P00945	28	0.44873	0.0166	1
ARSENIC	0	P01002	TURBIDITY	P00076	27	0.47045	0.0133	1
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	3	-0.99955	0.019	1
ARSENIC	2	P01002	IRON	P01045	18	-0.63585	0.0046	1
ARSENIC	2	P01000	MANGANESE	P01055	4	-0.98321	0.0168	1
ARSENIC	2	P01000	NITRITE	P00613	5	-0.96624	0.0074	1
ARSENIC	2	P01000	SULFATE	P00945	3	-0.9987	0.0324	1
ARSENIC	2	P01000	TURBIDITY	P00076	3	-0.99761	0.044	1
BARIUM	0	P01005	BERYLLIUM	P01010	929	0.21492	0.0001	1
BARIUM	0	P01005	CADMIUM	P01025	956	0.23978	0.0001	1
BARIUM	0	P01005	CHROMIUM	P01030	953	0.14876	0.0001	1
BARIUM	0	P01005	CHROMIUM	P01034	113	0.24903	0.0078	1
BARIUM	0	P01005	CONDUCTANCE	P00095	1077	0.59023	0.0001	1
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	1060	-0.20195	0.0001	1
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	1045	0.61261	0.0001	1
BARIUM	0	P01005	HARDNESS	P00900	1067	0.58368	0.0001	1
BARIUM	0	P01005	MANGANESE	P01056	1082	0.46551	0.0001	1
BARIUM	0	P01005	NICKEL	P01065	1082	0.2205	0.0001	1
BARIUM	0	P01005	NITRITE	P00613	1079	0.13466	0.0001	1
BARIUM	0	P01005	PH	P00400	1077	0.1561	0.0001	1
BARIUM	0	P01005	TURBIDITY	P00076	983	0.14001	0.0001	1
BERYLLIUM	0	P01010	CADMIUM	P01025	929	0.07719	0.0186	1
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	924	0.25139	0.0001	1
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	893	0.23275	0.0001	1
BERYLLIUM	0	P01010	PH	P00400	925	0.06514	0.0476	1
BERYLLIUM	0	P01010	TURBIDITY	P00076	830	-0.13294	0.0001	1
CADMIUM	0	P01025	CHROMIUM	P01030	1231	0.09764	0.0006	1
CADMIUM	0	P01025	CONDUCTANCE	P00095	1229	0.4426	0.0001	1
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	1216	0.06219	0.0301	1
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	1168	0.43658	0.0001	1
CADMIUM	0	P01027	MANGANESE	P01056	275	0.16524	0.006	1
CADMIUM	0	P01025	NICKEL	P01065	1234	0.17563	0.0001	1
CHROMIUM	0	P01030	CONDUCTANCE	P00095	1226	0.14383	0.0001	1
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	1165	0.14389	0.0001	1
CHROMIUM	0	P01030	HARDNESS	P00900	1212	0.06645	0.0207	1
CHROMIUM	0	P01034	IRON	P01045	331	0.14973	0.0063	1
CHROMIUM	0	P01030	MANGANESE	P01055	30	0.3725	0.0426	1
CHROMIUM	0	P01034	MANGANESE	P01055	54	-0.29181	0.0323	1
CHROMIUM	0	P01034	MANGANESE	P01056	275	0.1983	0.0009	1
CHROMIUM	0	P01030	NICKEL	P01065	1231	0.18783	0.0001	1
CHROMIUM	0	P01030	NICKEL	P01067	276	0.30664	0.0001	1

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01034	NICKEL	P01065	279	0.37539	0.0001	1
CHROMIUM	0	P01034	NICKEL	P01067	331	0.37284	0.0001	1
CHROMIUM	0	P01030	NITRITE	P00613	1188	0.06093	0.0358	1
CHROMIUM	0	P01030	NITRITE	P00615	41	0.54521	0.0002	1
CHROMIUM	0	P01034	TURBIDITY	P00076	267	0.33073	0.0001	1
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	2376	-0.0712	0.0005	1
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	1944	0.99873	0.0001	1
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	1897	-0.07328	0.0014	1
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	1950	0.91842	0.0001	1
DISSOLVED-SOLID	0	P70301	TURBIDITY	P00076	1304	0.1148	0.0001	1
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	8	0.99945	0.0001	1
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	8	0.93187	0.0008	1
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	8	0.99724	0.0001	1
HARDNESS	0	P00900	CONDUCTANCE	P00095	1996	0.85231	0.0001	1
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	1943	-0.11391	0.0001	1
HARDNESS	0	P00900	PH	P00400	1987	0.19479	0.0001	1
HARDNESS	0	P00900	TURBIDITY	P00076	1342	0.09427	0.0005	1
IRON	0	P01046	CONDUCTANCE	P00095	1925	-0.05178	0.0231	1
IRON	0	P01045	DISSOLVED-OXYGE	P00300	357	-0.10552	0.0463	1
IRON	0	P01046	DISSOLVED-OXYGE	P00300	1872	-0.18896	0.0001	1
IRON	0	P01046	HARDNESS	P00900	1916	-0.10167	0.0001	1
IRON	0	P01045	MANGANESE	P01055	82	0.35987	0.0009	1
IRON	0	P01045	MANGANESE	P01056	303	0.38116	0.0001	1
IRON	0	P01046	MANGANESE	P01056	1929	0.43473	0.0001	1
IRON	0	P01045	NITRITE	P00613	330	0.16358	0.0029	1
IRON	0	P01046	PH	P00400	1917	-0.20205	0.0001	1
IRON	0	P01045	TURBIDITY	P00076	283	0.82204	0.0001	1
IRON	0	P01046	TURBIDITY	P00076	1262	-0.07302	0.0095	1
IRON	300	P01046	BARIUM	P01005	82	0.81963	0.0001	1
IRON	300	P01045	CHROMIUM	P01034	248	0.12759	0.0447	1
IRON	300	P01046	DISSOLVED-OXYGE	P00300	130	-0.1952	0.026	1
IRON	300	P01046	DISSOLVED-SOLID	P70301	134	0.26321	0.0021	1
IRON	300	P01045	MANGANESE	P01055	72	0.25662	0.0296	1
IRON	300	P01045	MANGANESE	P01056	220	0.34764	0.0001	1
IRON	300	P01046	MANGANESE	P01056	139	0.70558	0.0001	1
IRON	300	P01045	NITRITE	P00613	249	0.13804	0.0294	1
IRON	300	P01046	PH	P00400	136	-0.27371	0.0013	1
IRON	300	P01046	SULFATE	P00945	136	-0.19123	0.0257	1
IRON	300	P01045	TURBIDITY	P00076	200	0.82252	0.0001	1
IRON	2500	P01045	MANGANESE	P01056	4	0.9604	0.0396	1
MANGANESE	0	P01055	CONDUCTANCE	P00095	82	0.61518	0.0001	1
MANGANESE	0	P01056	CONDUCTANCE	P00095	1947	0.0928	0.0001	1
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	82	-0.45517	0.0001	1
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	1899	-0.16415	0.0001	1
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	38	0.6828	0.0001	1
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	1875	0.07845	0.0007	1
MANGANESE	0	P01055	HARDNESS	P00900	38	0.48519	0.002	1
MANGANESE	0	P01056	HARDNESS	P00900	1923	0.09062	0.0001	1
MANGANESE	0	P01055	NICKEL	P01065	31	0.55665	0.0011	1
MANGANESE	0	P01055	NICKEL	P01067	54	0.50875	0.0001	1
MANGANESE	0	P01056	NICKEL	P01065	1354	0.28806	0.0001	1

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01056	NICKEL	P01067	275	0.36211	0.0001	1
MANGANESE	0	P01055	NITRITE	P00613	80	0.2632	0.0183	1
MANGANESE	0	P01056	NITRITE	P00613	1880	0.20685	0.0001	1
MANGANESE	0	P01056	NITRITE	P00615	54	0.34099	0.0116	1
MANGANESE	0	P01056	TURBIDITY	P00076	1276	0.11979	0.0001	1
MANGANESE	50	P01056	BARIUM	P01005	381	0.20652	0.0001	1
MANGANESE	50	P01055	CONDUCTANCE	P00095	75	0.51241	0.0001	1
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	75	-0.40827	0.0003	1
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	598	-0.13916	0.0006	1
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	32	0.55173	0.0011	1
MANGANESE	50	P01055	IRON	P01045	75	0.31405	0.0061	1
MANGANESE	50	P01056	IRON	P01045	155	0.45992	0.0001	1
MANGANESE	50	P01056	IRON	P01046	601	0.55007	0.0001	1
MANGANESE	50	P01055	NICKEL	P01065	26	0.44771	0.0218	1
MANGANESE	50	P01055	NICKEL	P01067	52	0.4295	0.0015	1
MANGANESE	50	P01056	NICKEL	P01067	135	0.18267	0.034	1
MANGANESE	50	P01056	PH	P00400	617	-0.15467	0.0001	1
MANGANESE	50	P01055	SULFATE	P00945	32	0.52227	0.0022	1
NICKEL	0	P01065	CONDUCTANCE	P00095	1355	0.46875	0.0001	1
NICKEL	0	P01067	CONDUCTANCE	P00095	330	0.42309	0.0001	1
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	1338	-0.16918	0.0001	1
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	329	-0.22336	0.0001	1
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	1293	0.48633	0.0001	1
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	270	0.43461	0.0001	1
NICKEL	0	P01065	HARDNESS	P00900	1341	0.16093	0.0001	1
NICKEL	0	P01067	HARDNESS	P00900	294	0.12519	0.0319	1
NICKEL	0	P01065	NITRITE	P00613	1317	0.4109	0.0001	1
NICKEL	0	P01065	NITRITE	P00615	54	0.42413	0.0014	1
NICKEL	0	P01067	NITRITE	P00613	302	0.35577	0.0001	1
NICKEL	0	P01067	NITRITE	P00615	26	0.39167	0.0478	1
NICKEL	0	P01065	PH	P00400	1355	-0.08274	0.0023	1
NITRATE	0	P00618	ANTIMONY	P01095	628	0.32132	0.0001	1
NITRATE	0	P00618	BARIUM	P01005	697	0.44464	0.0001	1
NITRATE	0	P00618	BERYLLIUM	P01010	629	-0.22246	0.0001	1
NITRATE	0	P00618	CONDUCTANCE	P00095	1314	0.13679	0.0001	1
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	1284	-0.25661	0.0001	1
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	1093	0.59002	0.0001	1
NITRATE	0	P00618	HARDNESS	P00900	1128	0.48971	0.0001	1
NITRATE	0	P00618	IRON	P01046	1075	-0.13668	0.0001	1
NITRATE	0	P00618	MANGANESE	P01056	1094	0.26639	0.0001	1
NITRATE	0	P00618	NICKEL	P01065	852	0.28925	0.0001	1
NITRATE	0	P00618	NICKEL	P01067	238	0.27372	0.0001	1
NITRATE	0	P00618	NITRITE	P00613	1320	0.21445	0.0001	1
NITRATE	0	P00618	PH	P00400	1307	0.09745	0.0004	1
NITRATE	0	P00618	TURBIDITY	P00076	860	0.17979	0.0001	1
NITRATE	8	P00618	BERYLLIUM	P01010	8	-0.93033	0.0008	1
NITRATE	8	P00618	CHROMIUM	P01030	8	0.9195	0.0012	1
NITRATE	8	P00618	TURBIDITY	P00076	8	0.89763	0.0025	1
NITRATE	10	P00618	BARIUM	P01005	3	-0.99804	0.0399	1
NITRITE	0	P00615	CONDUCTANCE	P00095	73	0.50756	0.0001	1
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	2134	-0.18325	0.0001	1

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00615	DISSOLVED-OXYGE	P00300	73	-0.36383	0.0016	1
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	57	0.32642	0.0132	1
NITRITE	0	P00613	TURBIDITY	P00076	1331	0.06004	0.0285	1
PH	0	P00400	DISSOLVED-OXYGE	P00300	2334	0.07202	0.0005	1
PH	0	P00400	TURBIDITY	P00076	1374	0.06606	0.0143	1
RADIUM-226	0	P76001	NITRITE	P00613	11	0.96386	0.0001	1
RADIUM-226	0	P09511	TURBIDITY	P00076	14	0.61275	0.0198	1
RADIUM-226	0	P76001	TURBIDITY	P00076	11	0.74213	0.0089	1
SULFATE	0	P00945	ANTIMONY	P01095	912	0.13226	0.0001	1
SULFATE	0	P00945	BARIUM	P01005	1067	0.34001	0.0001	1
SULFATE	0	P00945	CONDUCTANCE	P00095	1995	0.89755	0.0001	1
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	1942	-0.09751	0.0001	1
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	1950	0.97867	0.0001	1
SULFATE	0	P00945	HARDNESS	P00900	2001	0.87665	0.0001	1
SULFATE	0	P00945	MANGANESE	P01055	38	0.55337	0.0003	1
SULFATE	0	P00945	MANGANESE	P01056	1922	0.09705	0.0001	1
SULFATE	0	P00945	NICKEL	P01065	1340	0.51991	0.0001	1
SULFATE	0	P00945	NICKEL	P01067	294	0.55305	0.0001	1
SULFATE	0	P00945	NITRATE	P00618	1127	0.5802	0.0001	1
SULFATE	0	P00945	NITRITE	P00613	1941	0.07553	0.0009	1
SULFATE	0	P00945	NITRITE	P00615	58	0.4482	0.0004	1
SULFATE	25	P00945	BARIUM	P01005	112	-0.24274	0.0099	1
SULFATE	25	P00945	CONDUCTANCE	P00095	229	0.91477	0.0001	1
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	223	0.99698	0.0001	1
SULFATE	25	P00945	HARDNESS	P00900	231	0.9859	0.0001	1
SULFATE	25	P00945	NICKEL	P01065	134	0.28152	0.001	1
SULFATE	25	P00945	NICKEL	P01067	53	0.35096	0.01	1
TURBIDITY	0	P00076	CONDUCTANCE	P00095	1376	0.11194	0.0001	1
ANTIMONY	0	P01095	BARIUM	P01005	234	0.58104	0.0001	2
ANTIMONY	0	P01095	BERYLLIUM	P01010	222	0.98501	0.0001	2
ANTIMONY	0	P01095	CADMIUM	P01025	234	0.89415	0.0001	2
ANTIMONY	0	P01095	CHROMIUM	P01030	234	0.99415	0.0001	2
ANTIMONY	0	P01095	CHROMIUM	P01034	16	0.96864	0.0001	2
ANTIMONY	0	P01097	CHROMIUM	P01034	17	0.95918	0.0001	2
ANTIMONY	0	P01095	CONDUCTANCE	P00095	39	-0.44463	0.0046	2
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	87	-0.61089	0.0001	2
ANTIMONY	0	P01095	HARDNESS	P00900	215	-0.72062	0.0001	2
ANTIMONY	0	P01095	IRON	P01046	216	0.24133	0.0003	2
ANTIMONY	0	P01095	MANGANESE	P01056	233	0.23572	0.0003	2
ANTIMONY	0	P01095	NICKEL	P01065	233	0.86814	0.0001	2
ANTIMONY	0	P01095	PH	P00400	207	-0.38498	0.0001	2
ANTIMONY	0	P01095	SELENIUM	P01145	210	0.99524	0.0001	2
ANTIMONY	6	P01095	ARSENIC	P01000	186	0.16005	0.0291	2
ANTIMONY	6	P01095	BARIUM	P01005	186	-0.40601	0.0001	2
ANTIMONY	6	P01095	BERYLLIUM	P01010	174	0.95688	0.0001	2
ANTIMONY	6	P01095	CADMIUM	P01025	186	0.16005	0.0291	2
ANTIMONY	6	P01095	CHROMIUM	P01030	186	0.99536	0.0001	2
ANTIMONY	6	P01095	CONDUCTANCE	P00095	8	-0.98769	0.0001	2
ANTIMONY	6	P01095	NICKEL	P01065	185	0.16011	0.0295	2
ANTIMONY	6	P01095	PH	P00400	176	0.16772	0.0261	2
ANTIMONY	6	P01095	SELENIUM	P01145	186	0.98752	0.0001	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01000	ANTIMONY	P01095	210	0.82773	0.0001	2
ARSENIC	0	P01000	BARIUM	P01005	211	0.70278	0.0001	2
ARSENIC	0	P01000	BERYLLIUM	P01010	199	0.90378	0.0001	2
ARSENIC	0	P01000	CADMIUM	P01025	211	0.99381	0.0001	2
ARSENIC	0	P01000	CHROMIUM	P01030	211	0.79922	0.0001	2
ARSENIC	0	P01000	CONDUCTANCE	P00095	34	-0.49465	0.0029	2
ARSENIC	0	P01002	CONDUCTANCE	P00095	453	-0.09547	0.0422	2
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	196	0.25333	0.0003	2
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	458	-0.10119	0.0304	2
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	83	-0.67742	0.0001	2
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	446	-0.09847	0.0376	2
ARSENIC	0	P01000	HARDNESS	P00900	210	-0.79537	0.0001	2
ARSENIC	0	P01002	HARDNESS	P00900	461	-0.11893	0.0106	2
ARSENIC	0	P01000	IRON	P01046	211	0.28515	0.0001	2
ARSENIC	0	P01000	MANGANESE	P01055	195	0.18621	0.0091	2
ARSENIC	0	P01000	MANGANESE	P01056	211	0.24053	0.0004	2
ARSENIC	0	P01000	NICKEL	P01065	210	0.94268	0.0001	2
ARSENIC	0	P01000	PH	P00400	202	-0.37918	0.0001	2
ARSENIC	0	P01002	PH	P00400	457	-0.11987	0.0103	2
ARSENIC	0	P01000	SELENIUM	P01145	211	0.83986	0.0001	2
ARSENIC	0	P01000	SULFATE	P00945	212	-0.3672	0.0001	2
ARSENIC	2	P01000	ANTIMONY	P01095	188	0.36927	0.0001	2
ARSENIC	2	P01000	BARIUM	P01005	189	0.46547	0.0001	2
ARSENIC	2	P01000	BERYLLIUM	P01010	177	0.68386	0.0001	2
ARSENIC	2	P01000	CADMIUM	P01025	189	0.98399	0.0001	2
ARSENIC	2	P01000	CHROMIUM	P01030	189	0.46987	0.0001	2
ARSENIC	2	P01000	CONDUCTANCE	P00095	11	-0.86143	0.0007	2
ARSENIC	2	P01002	CONDUCTANCE	P00095	45	-0.3213	0.0314	2
ARSENIC	2	P01000	DISSOLVED-OXYGE	P00300	177	0.19067	0.011	2
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	62	-0.79292	0.0001	2
ARSENIC	2	P01002	DISSOLVED-SOLID	P70301	46	-0.29823	0.0441	2
ARSENIC	2	P01000	HARDNESS	P00900	187	-0.66598	0.0001	2
ARSENIC	2	P01002	HARDNESS	P00900	46	-0.40441	0.0053	2
ARSENIC	2	P01002	MANGANESE	P01055	46	-0.38648	0.008	2
ARSENIC	2	P01002	MANGANESE	P01056	4	0.95343	0.0466	2
ARSENIC	2	P01000	NICKEL	P01065	188	0.90577	0.0001	2
ARSENIC	2	P01000	NITRATE	P00618	20	-0.78465	0.0001	2
ARSENIC	2	P01000	NITRITE	P00613	24	-0.63478	0.0009	2
ARSENIC	2	P01000	PH	P00400	179	-0.1762	0.0183	2
ARSENIC	2	P01002	PH	P00400	46	-0.57852	0.0001	2
ARSENIC	2	P01000	SELENIUM	P01145	189	0.53922	0.0001	2
ARSENIC	2	P01000	SULFATE	P00945	189	-0.5637	0.0001	2
ARSENIC	5	P01000	ANTIMONY	P01095	187	0.38051	0.0001	2
ARSENIC	5	P01000	BARIUM	P01005	187	0.32	0.0001	2
ARSENIC	5	P01000	BERYLLIUM	P01010	175	0.55837	0.0001	2
ARSENIC	5	P01000	CADMIUM	P01025	187	0.99651	0.0001	2
ARSENIC	5	P01000	CHROMIUM	P01030	187	0.38051	0.0001	2
ARSENIC	5	P01000	CONDUCTANCE	P00095	9	-0.81879	0.007	2
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	60	-0.7343	0.0001	2
ARSENIC	5	P01000	HARDNESS	P00900	185	-0.69552	0.0001	2
ARSENIC	5	P01000	NICKEL	P01065	186	0.93472	0.0001	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	5	P01000	NITRATE	P00618	18	-0.97493	0.0001	2
ARSENIC	5	P01000	NITRITE	P00613	22	-0.74207	0.0001	2
ARSENIC	5	P01000	PH	P00400	177	-0.16678	0.0265	2
ARSENIC	5	P01000	SELENIUM	P01145	187	0.42069	0.0001	2
ARSENIC	5	P01000	SULFATE	P00945	187	-0.675	0.0001	2
ARSENIC	20	P01002	MANGANESE	P01055	3	-1	0.0001	2
ARSENIC	20	P01002	NITRATE	P00618	3	-0.99957	0.0186	2
BARIUM	0	P01005	BERYLLIUM	P01010	223	0.67209	0.0001	2
BARIUM	0	P01005	CADMIUM	P01025	235	0.78456	0.0001	2
BARIUM	0	P01005	CHROMIUM	P01030	235	0.56916	0.0001	2
BARIUM	0	P01005	HARDNESS	P00900	382	-0.20557	0.0001	2
BARIUM	0	P01005	IRON	P01045	200	0.19831	0.0049	2
BARIUM	0	P01005	IRON	P01046	384	0.2993	0.0001	2
BARIUM	0	P01005	MANGANESE	P01055	199	0.28969	0.0001	2
BARIUM	0	P01005	MANGANESE	P01056	401	0.39603	0.0001	2
BARIUM	0	P01005	NICKEL	P01065	401	0.65724	0.0001	2
BARIUM	0	P01005	PH	P00400	374	-0.20923	0.0001	2
BARIUM	0	P01005	SELENIUM	P01145	378	0.58557	0.0001	2
BERYLLIUM	0	P01010	CADMIUM	P01025	223	0.94373	0.0001	2
BERYLLIUM	0	P01010	CHROMIUM	P01030	223	0.97852	0.0001	2
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	40	-0.57053	0.0001	2
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	88	-0.6896	0.0001	2
BERYLLIUM	0	P01010	HARDNESS	P00900	204	-0.77582	0.0001	2
BERYLLIUM	0	P01010	IRON	P01046	205	0.28368	0.0001	2
BERYLLIUM	0	P01010	MANGANESE	P01056	222	0.26979	0.0001	2
BERYLLIUM	0	P01010	NICKEL	P01065	222	0.90134	0.0001	2
BERYLLIUM	0	P01010	PH	P00400	196	-0.41431	0.0001	2
BERYLLIUM	0	P01010	SELENIUM	P01145	199	0.98474	0.0001	2
BERYLLIUM	4	P01010	ANTIMONY	P01095	174	0.99729	0.0001	2
BERYLLIUM	4	P01010	ARSENIC	P01000	174	0.24369	0.0012	2
BERYLLIUM	4	P01010	BARIUM	P01005	174	-0.49276	0.0001	2
BERYLLIUM	4	P01010	CADMIUM	P01025	174	0.24369	0.0012	2
BERYLLIUM	4	P01010	CHROMIUM	P01030	174	0.99908	0.0001	2
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	8	-0.90751	0.0018	2
BERYLLIUM	4	P01010	NICKEL	P01065	173	0.24376	0.0012	2
BERYLLIUM	4	P01010	SELENIUM	P01145	174	0.99729	0.0001	2
CADMIUM	0	P01025	CHROMIUM	P01030	246	0.89923	0.0001	2
CADMIUM	0	P01025	CONDUCTANCE	P00095	51	-0.49133	0.0003	2
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	460	0.14781	0.0015	2
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	98	-0.67446	0.0001	2
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	454	0.10102	0.0314	2
CADMIUM	0	P01025	HARDNESS	P00900	227	-0.85545	0.0001	2
CADMIUM	0	P01027	HARDNESS	P00900	469	0.25808	0.0001	2
CADMIUM	0	P01025	IRON	P01046	228	0.36725	0.0001	2
CADMIUM	0	P01025	MANGANESE	P01055	195	0.18646	0.0091	2
CADMIUM	0	P01025	MANGANESE	P01056	245	0.33594	0.0001	2
CADMIUM	0	P01025	NICKEL	P01065	245	0.96421	0.0001	2
CADMIUM	0	P01027	NITRITE	P00615	177	0.24996	0.0008	2
CADMIUM	0	P01025	PH	P00400	219	-0.61873	0.0001	2
CADMIUM	0	P01025	SELENIUM	P01145	211	0.84509	0.0001	2
CADMIUM	0	P01027	TURBIDITY	P00076	148	0.20599	0.012	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01030	CONDUCTANCE	P00095	51	-0.3185	0.0227	2
CHROMIUM	0	P01034	CONDUCTANCE	P00095	451	0.14025	0.0028	2
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	98	-0.58314	0.0001	2
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	444	0.14008	0.0031	2
CHROMIUM	0	P01030	HARDNESS	P00900	227	-0.75395	0.0001	2
CHROMIUM	0	P01034	HARDNESS	P00900	459	0.0994	0.0333	2
CHROMIUM	0	P01030	IRON	P01046	228	0.29475	0.0001	2
CHROMIUM	0	P01034	IRON	P01045	466	0.09385	0.0429	2
CHROMIUM	0	P01030	MANGANESE	P01056	245	0.26599	0.0001	2
CHROMIUM	0	P01034	MANGANESE	P01055	466	0.2279	0.0001	2
CHROMIUM	0	P01030	NICKEL	P01065	245	0.8913	0.0001	2
CHROMIUM	0	P01034	NICKEL	P01067	452	0.37038	0.0001	2
CHROMIUM	0	P01030	PH	P00400	219	-0.52856	0.0001	2
CHROMIUM	0	P01030	SELENIUM	P01145	211	0.99356	0.0001	2
CHROMIUM	0	P01034	TURBIDITY	P00076	8	0.83483	0.0099	2
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	366	0.11427	0.0288	2
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	3230	0.96939	0.0001	2
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	3570	0.88428	0.0001	2
DISSOLVED-SOLID	0	P70301	PH	P00400	3535	0.08526	0.0001	2
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	143	0.95546	0.0001	2
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	151	0.89091	0.0001	2
DISSOLVED-SOLID	500	P70301	PH	P00400	150	-0.19598	0.0162	2
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	151	0.47767	0.0001	2
HARDNESS	0	P00900	ALKALINITY	P39036	35	0.35404	0.0369	2
HARDNESS	0	P00900	CONDUCTANCE	P00095	3583	0.86113	0.0001	2
HARDNESS	0	P00900	PH	P00400	4002	0.30079	0.0001	2
HARDNESS	300	P00900	CONDUCTANCE	P00095	139	0.86317	0.0001	2
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	132	-0.19709	0.0235	2
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	139	0.90824	0.0001	2
HARDNESS	300	P00900	NITRITE	P00613	99	0.35602	0.0003	2
HARDNESS	300	P00900	PH	P00400	138	-0.25672	0.0024	2
HARDNESS	300	P00900	SULFATE	P00945	140	0.77026	0.0001	2
IRON	0	P01045	CONDUCTANCE	P00095	480	-0.22326	0.0001	2
IRON	0	P01046	CONDUCTANCE	P00095	1230	-0.09809	0.0006	2
IRON	0	P01045	DISSOLVED-OXYGE	P00300	751	-0.15531	0.0001	2
IRON	0	P01046	DISSOLVED-OXYGE	P00300	1582	-0.06782	0.007	2
IRON	0	P01045	DISSOLVED-SOLID	P70301	628	-0.16023	0.0001	2
IRON	0	P01045	HARDNESS	P00900	768	-0.11441	0.0015	2
IRON	0	P01046	HARDNESS	P00900	1663	-0.04956	0.0433	2
IRON	0	P01045	MANGANESE	P01056	333	0.3512	0.0001	2
IRON	0	P01046	MANGANESE	P01055	332	0.4715	0.0001	2
IRON	0	P01046	MANGANESE	P01056	1526	0.40782	0.0001	2
IRON	0	P01045	NICKEL	P01065	199	0.15521	0.0286	2
IRON	0	P01045	NICKEL	P01067	452	0.13506	0.004	2
IRON	0	P01046	NICKEL	P01065	394	0.4022	0.0001	2
IRON	0	P01045	PH	P00400	763	-0.11275	0.0018	2
IRON	0	P01046	PH	P00400	1639	-0.12658	0.0001	2
IRON	0	P01046	SELENIUM	P01145	377	0.35683	0.0001	2
IRON	0	P01045	TURBIDITY	P00076	8	0.90316	0.0021	2
IRON	300	P01045	CONDUCTANCE	P00095	302	-0.22705	0.0001	2
IRON	300	P01045	DISSOLVED-OXYGE	P00300	467	-0.10309	0.0259	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01045	DISSOLVED-SOLID	P70301	400	-0.17361	0.0005	2
IRON	300	P01045	HARDNESS	P00900	476	-0.10968	0.0167	2
IRON	300	P01045	MANGANESE	P01056	193	0.21019	0.0033	2
IRON	300	P01045	NITRATE	P00618	365	-0.17047	0.0011	2
IRON	300	P01045	SELENIUM	P01147	291	0.14057	0.0164	2
IRON	2500	P01045	CONDUCTANCE	P00095	28	-0.3928	0.0387	2
MANGANESE	0	P01056	ALKALINITY	P39036	35	-0.63279	0.0001	2
MANGANESE	0	P01055	CONDUCTANCE	P00095	480	0.24633	0.0001	2
MANGANESE	0	P01056	CONDUCTANCE	P00095	1222	0.12998	0.0001	2
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	750	-0.24398	0.0001	2
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	1445	-0.20546	0.0001	2
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	628	0.0927	0.0202	2
MANGANESE	0	P01056	HARDNESS	P00900	1525	-0.05475	0.0325	2
MANGANESE	0	P01055	NICKEL	P01065	198	0.20597	0.0036	2
MANGANESE	0	P01055	NICKEL	P01067	452	0.18883	0.0001	2
MANGANESE	0	P01056	NICKEL	P01065	411	0.47759	0.0001	2
MANGANESE	0	P01055	NITRITE	P00615	315	0.20399	0.0003	2
MANGANESE	0	P01056	NITRITE	P00613	1299	0.07085	0.0106	2
MANGANESE	0	P01056	NITRITE	P00615	161	0.26254	0.0008	2
MANGANESE	0	P01055	PH	P00400	762	-0.24632	0.0001	2
MANGANESE	0	P01056	PH	P00400	1504	-0.2656	0.0001	2
MANGANESE	0	P01056	SELENIUM	P01145	377	0.42272	0.0001	2
MANGANESE	0	P01055	TURBIDITY	P00076	8	0.87554	0.0044	2
MANGANESE	50	P01055	ARSENIC	P01000	176	0.16366	0.03	2
MANGANESE	50	P01056	ARSENIC	P01000	172	0.15422	0.0434	2
MANGANESE	50	P01055	BARIUM	P01005	176	0.26074	0.0005	2
MANGANESE	50	P01056	BARIUM	P01005	194	0.31352	0.0001	2
MANGANESE	50	P01055	CADMIUM	P01025	176	0.16411	0.0295	2
MANGANESE	50	P01056	CADMIUM	P01025	177	0.19141	0.0107	2
MANGANESE	50	P01055	CHROMIUM	P01034	260	0.22442	0.0003	2
MANGANESE	50	P01055	CONDUCTANCE	P00095	274	0.12668	0.0361	2
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	508	-0.21928	0.0001	2
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	486	-0.24256	0.0001	2
MANGANESE	50	P01055	HARDNESS	P00900	524	-0.10817	0.0132	2
MANGANESE	50	P01056	HARDNESS	P00900	519	-0.16024	0.0002	2
MANGANESE	50	P01055	IRON	P01046	281	0.54177	0.0001	2
MANGANESE	50	P01056	IRON	P01045	255	0.36544	0.0001	2
MANGANESE	50	P01056	IRON	P01046	519	0.59984	0.0001	2
MANGANESE	50	P01055	NICKEL	P01065	175	0.1635	0.0306	2
MANGANESE	50	P01055	NICKEL	P01067	250	0.13876	0.0283	2
MANGANESE	50	P01056	NICKEL	P01065	193	0.27016	0.0001	2
MANGANESE	50	P01056	NITRATE	P00618	269	0.22213	0.0002	2
MANGANESE	50	P01055	NITRITE	P00615	226	0.19331	0.0035	2
MANGANESE	50	P01056	NITRITE	P00615	130	0.2523	0.0038	2
MANGANESE	50	P01055	PH	P00400	519	-0.31968	0.0001	2
MANGANESE	50	P01056	PH	P00400	508	-0.38944	0.0001	2
MANGANESE	50	P01056	SELENIUM	P01145	188	0.19981	0.006	2
MANGANESE	50	P01055	SULFATE	P00945	525	0.16089	0.0002	2
NICKEL	0	P01065	CONDUCTANCE	P00095	210	0.20601	0.0027	2
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	376	-0.23464	0.0001	2
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	456	-0.11188	0.0168	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	0	P01065	HARDNESS	P00900	392	-0.384	0.0001	2
NICKEL	0	P01065	PH	P00400	384	-0.31326	0.0001	2
NICKEL	0	P01065	SELENIUM	P01145	377	0.93671	0.0001	2
NITRATE	0	P00618	BARIUM	P01005	109	-0.23685	0.0132	2
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	2629	-0.05871	0.0026	2
NITRATE	0	P00618	HARDNESS	P00900	2657	0.05525	0.0044	2
NITRATE	0	P00618	IRON	P01045	561	-0.13982	0.0009	2
NITRATE	0	P00618	MANGANESE	P01055	561	0.10229	0.0154	2
NITRATE	0	P00618	MANGANESE	P01056	755	0.21022	0.0001	2
NITRATE	0	P00618	NICKEL	P01065	115	0.21805	0.0192	2
NITRATE	0	P00618	NICKEL	P01067	417	0.17801	0.0003	2
NITRATE	0	P00618	NITRITE	P00613	2733	0.2143	0.0001	2
NITRATE	0	P00618	NITRITE	P00615	709	0.3344	0.0001	2
NITRATE	0	P00618	PH	P00400	2652	0.09031	0.0001	2
NITRATE	8	P00618	CONDUCTANCE	P00095	15	0.53386	0.0404	2
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	15	0.53797	0.0386	2
NITRATE	8	P00618	NITRITE	P00613	16	0.55749	0.0249	2
NITRATE	8	P00618	NITRITE	P00615	4	0.97177	0.0282	2
NITRATE	8	P00618	PH	P00400	15	-0.57254	0.0257	2
NITRITE	0	P00613	CONDUCTANCE	P00095	3346	0.0846	0.0001	2
NITRITE	0	P00615	CONDUCTANCE	P00095	740	0.28314	0.0001	2
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	3424	-0.17158	0.0001	2
NITRITE	0	P00615	DISSOLVED-OXYGE	P00300	900	-0.19569	0.0001	2
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	3330	0.06785	0.0001	2
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	776	0.27042	0.0001	2
NITRITE	0	P00613	HARDNESS	P00900	3470	0.10089	0.0001	2
NITRITE	0	P00615	HARDNESS	P00900	897	0.17953	0.0001	2
NITRITE	0	P00613	PH	P00400	3466	0.06356	0.0002	2
NITRITE	0	P00613	TURBIDITY	P00076	334	0.46152	0.0001	2
PH	0	P00400	ALKALINITY	P39036	35	0.69791	0.0001	2
PH	0	P00400	CONDUCTANCE	P00095	3733	0.11009	0.0001	2
PH	0	P00400	DISSOLVED-OXYGE	P00300	4019	0.2404	0.0001	2
PH	0	P00400	TURBIDITY	P00076	233	0.12988	0.0477	2
RADIUM-226	0	P09511	BARIUM	P01005	27	-0.54448	0.0033	2
RADIUM-226	0	P76001	BARIUM	P01005	26	-0.43123	0.0278	2
RADIUM-226	0	P09511	CONDUCTANCE	P00095	28	-0.46841	0.0119	2
RADIUM-226	0	P76001	CONDUCTANCE	P00095	27	-0.52918	0.0045	2
RADIUM-226	0	P09511	DISSOLVED-OXYGE	P00300	28	-0.60281	0.0007	2
RADIUM-226	0	P76001	DISSOLVED-OXYGE	P00300	27	-0.54568	0.0032	2
RADIUM-226	0	P09511	HARDNESS	P00900	28	-0.5549	0.0022	2
RADIUM-226	0	P76001	HARDNESS	P00900	27	-0.59882	0.001	2
RADIUM-226	0	P09511	IRON	P01046	28	0.67503	0.0001	2
RADIUM-226	0	P76001	IRON	P01046	27	0.6262	0.0005	2
RADIUM-226	0	P76001	NITRATE	P00618	7	0.84459	0.0168	2
RADIUM-226	0	P09511	PH	P00400	28	-0.78398	0.0001	2
RADIUM-226	0	P76001	PH	P00400	27	-0.78351	0.0001	2
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	359	-0.13407	0.011	2
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	458	0.09874	0.0347	2
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	228	-0.23086	0.0004	2
SELENIUM	0	P01145	HARDNESS	P00900	375	-0.37832	0.0001	2
SELENIUM	0	P01145	PH	P00400	367	-0.23942	0.0001	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	ANTIMONY	P01095	217	-0.2822	0.0001	2
SULFATE	0	P00945	BERYLLIUM	P01010	206	-0.35933	0.0001	2
SULFATE	0	P00945	CADMIUM	P01025	229	-0.29611	0.0001	2
SULFATE	0	P00945	CHROMIUM	P01030	229	-0.24232	0.0002	2
SULFATE	0	P00945	CONDUCTANCE	P00095	4078	0.67809	0.0001	2
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	4102	-0.04171	0.0075	2
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	3570	0.70294	0.0001	2
SULFATE	0	P00945	HARDNESS	P00900	4048	0.87692	0.0001	2
SULFATE	0	P00945	IRON	P01045	770	0.09439	0.0088	2
SULFATE	0	P00945	MANGANESE	P01055	769	0.22884	0.0001	2
SULFATE	0	P00945	NICKEL	P01067	459	0.1151	0.0136	2
SULFATE	0	P00945	NITRATE	P00618	2658	0.05484	0.0047	2
SULFATE	0	P00945	NITRITE	P00613	3574	0.07111	0.0001	2
SULFATE	0	P00945	NITRITE	P00615	897	0.2429	0.0001	2
SULFATE	0	P00945	PH	P00400	4009	0.13369	0.0001	2
SULFATE	0	P00945	RADIUM-226	P09511	28	-0.50454	0.0062	2
SULFATE	0	P00945	RADIUM-226	P76001	27	-0.54135	0.0035	2
SULFATE	0	P00945	SELENIUM	P01145	378	-0.15873	0.002	2
SULFATE	0	P00945	TURBIDITY	P00076	4128	-0.19556	0.0001	2
SULFATE	25	P00945	ARSENIC	P01000	52	-0.28321	0.0419	2
SULFATE	25	P00945	ARSENIC	P01002	136	0.65277	0.0001	2
SULFATE	25	P00945	BERYLLIUM	P01010	50	-0.3452	0.0141	2
SULFATE	25	P00945	CADMIUM	P01025	52	-0.34346	0.0127	2
SULFATE	25	P00945	CHROMIUM	P01030	52	-0.31509	0.0229	2
SULFATE	25	P00945	CONDUCTANCE	P00095	1483	0.64237	0.0001	2
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1046	0.67697	0.0001	2
SULFATE	25	P00945	HARDNESS	P00900	1085	0.89016	0.0001	2
SULFATE	25	P00945	IRON	P01046	558	-0.15587	0.0002	2
SULFATE	25	P00945	MANGANESE	P01056	557	-0.13204	0.0018	2
SULFATE	25	P00945	NICKEL	P01065	97	-0.23564	0.0201	2
SULFATE	25	P00945	NITRATE	P00618	806	-0.0938	0.0077	2
SULFATE	25	P00945	PH	P00400	1074	0.09267	0.0024	2
SULFATE	25	P00945	SELENIUM	P01145	96	-0.30278	0.0027	2
SULFATE	25	P00945	TURBIDITY	P00076	3902	-0.23942	0.0001	2
SULFATE	120	P00945	CONDUCTANCE	P00095	185	0.48406	0.0001	2
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	130	0.42735	0.0001	2
SULFATE	120	P00945	HARDNESS	P00900	131	0.76299	0.0001	2
SULFATE	120	P00945	PH	P00400	129	-0.17587	0.0462	2
SULFATE	120	P00945	TURBIDITY	P00076	1343	-0.06716	0.0138	2
SULFATE	150	P00945	CONDUCTANCE	P00095	154	0.44482	0.0001	2
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	119	-0.25193	0.0057	2
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	122	0.40172	0.0001	2
SULFATE	150	P00945	HARDNESS	P00900	123	0.74717	0.0001	2
SULFATE	250	P00945	CONDUCTANCE	P00095	81	0.35604	0.0011	2
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	79	0.34793	0.0017	2
SULFATE	250	P00945	HARDNESS	P00900	80	0.69573	0.0001	2
SULFATE	250	P00945	NITRITE	P00613	70	0.27902	0.0193	2
SULFATE	250	P00945	TURBIDITY	P00076	110	-0.27422	0.0037	2
SULFATE	500	P00945	CONDUCTANCE	P00095	41	0.36001	0.0208	2
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	40	0.32045	0.0438	2
SULFATE	500	P00945	HARDNESS	P00900	41	0.59297	0.0001	2

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
TURBIDITY	0	P00076	CONDUCTANCE	P00095	715	0.14053	0.0002	2
ALKALINITY	0	P39036	CONDUCTANCE	P00095	530	0.60867	0.0001	3
ARSENIC	0	P01002	BARIUM	P01007	62	0.25809	0.0428	3
ARSENIC	0	P01000	CADMIUM	P01025	365	0.37433	0.0001	3
ARSENIC	0	P01000	CADMIUM	P01027	283	0.3102	0.0001	3
ARSENIC	0	P01002	CADMIUM	P01025	283	0.31289	0.0001	3
ARSENIC	0	P01002	CADMIUM	P01027	349	0.31621	0.0001	3
ARSENIC	0	P01000	CHROMIUM	P01030	365	0.37491	0.0001	3
ARSENIC	0	P01000	CHROMIUM	P01034	281	0.30591	0.0001	3
ARSENIC	0	P01002	CHROMIUM	P01030	283	0.30679	0.0001	3
ARSENIC	0	P01002	CHROMIUM	P01034	347	0.36266	0.0001	3
ARSENIC	0	P01000	CONDUCTANCE	P00095	417	-0.14088	0.0039	3
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	224	-0.16562	0.0131	3
ARSENIC	0	P01000	HARDNESS	P00900	422	-0.16118	0.0009	3
ARSENIC	0	P01000	MANGANESE	P01055	206	-0.18023	0.0095	3
ARSENIC	0	P01002	MANGANESE	P01056	240	-0.12963	0.0448	3
ARSENIC	0	P01000	NICKEL	P01067	275	0.1434	0.0173	3
ARSENIC	0	P01002	NICKEL	P01065	284	0.1952	0.0009	3
ARSENIC	0	P01002	NICKEL	P01067	339	0.26691	0.0001	3
ARSENIC	0	P01000	PH	P00400	419	-0.1363	0.0052	3
ARSENIC	0	P01000	SELENIUM	P01145	275	0.99956	0.0001	3
ARSENIC	0	P01000	SELENIUM	P01147	243	0.93879	0.0001	3
ARSENIC	0	P01002	SELENIUM	P01145	249	0.9302	0.0001	3
ARSENIC	0	P01002	SELENIUM	P01147	300	0.99016	0.0001	3
ARSENIC	2	P01000	CONDUCTANCE	P00095	187	-0.17506	0.0166	3
ARSENIC	2	P01002	CONDUCTANCE	P00095	193	-0.16931	0.0186	3
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	55	-0.29495	0.0288	3
ARSENIC	2	P01002	DISSOLVED-SOLID	P70301	60	-0.26107	0.0439	3
ARSENIC	2	P01000	MANGANESE	P01055	198	-0.17989	0.0112	3
ARSENIC	2	P01000	MANGANESE	P01056	199	-0.17768	0.012	3
ARSENIC	2	P01002	MANGANESE	P01056	200	-0.20238	0.0041	3
ARSENIC	2	P01002	NITRITE	P00613	5	0.95936	0.0098	3
ARSENIC	2	P01000	PH	P00400	188	0.18351	0.0117	3
ARSENIC	2	P01002	PH	P00400	193	0.16937	0.0185	3
ARSENIC	2	P01000	SELENIUM	P01145	203	0.99975	0.0001	3
ARSENIC	2	P01000	SELENIUM	P01147	203	0.93508	0.0001	3
ARSENIC	2	P01002	SELENIUM	P01145	203	0.92531	0.0001	3
ARSENIC	2	P01002	SELENIUM	P01147	208	0.98914	0.0001	3
ARSENIC	2	P01000	SULFATE	P00945	200	-0.21004	0.0028	3
ARSENIC	2	P01002	SULFATE	P00945	206	-0.21854	0.0016	3
ARSENIC	5	P01002	CADMIUM	P01027	18	0.61076	0.0071	3
ARSENIC	5	P01002	CHROMIUM	P01034	18	0.61983	0.0061	3
ARSENIC	5	P01002	CONDUCTANCE	P00095	15	-0.78294	0.0006	3
ARSENIC	5	P01002	DISSOLVED-SOLID	P70301	7	-0.99988	0.0001	3
ARSENIC	5	P01002	HARDNESS	P00900	18	-0.53831	0.0212	3
ARSENIC	5	P01002	SELENIUM	P01145	17	0.67816	0.0028	3
ARSENIC	5	P01002	SELENIUM	P01147	18	0.96585	0.0001	3
ARSENIC	5	P01002	SULFATE	P00945	18	-0.50267	0.0335	3
ARSENIC	10	P01002	CHROMIUM	P01030	16	0.97208	0.0001	3
ARSENIC	10	P01002	SELENIUM	P01145	16	0.65731	0.0057	3
ARSENIC	10	P01002	SELENIUM	P01147	16	0.99559	0.0001	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	20	P01002	CHROMIUM	P01030	16	0.97208	0.0001	3
ARSENIC	20	P01002	SELENIUM	P01145	16	0.65731	0.0057	3
ARSENIC	20	P01002	SELENIUM	P01147	16	0.99559	0.0001	3
BARIUM	0	P01005	BERYLLIUM	P01010	140	0.22186	0.0084	3
BARIUM	0	P01005	CADMIUM	P01025	343	-0.13488	0.0124	3
BARIUM	0	P01007	CADMIUM	P01027	64	0.3945	0.0013	3
BARIUM	0	P01005	CHROMIUM	P01030	343	-0.13224	0.0142	3
BARIUM	0	P01007	CHROMIUM	P01034	64	0.39336	0.0013	3
BARIUM	0	P01005	CONDUCTANCE	P00095	546	0.12193	0.0043	3
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	530	-0.2774	0.0001	3
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	34	-0.48181	0.0039	3
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	376	0.2198	0.0001	3
BARIUM	0	P01005	HARDNESS	P00900	572	0.09539	0.0225	3
BARIUM	0	P01005	PH	P00400	552	-0.17883	0.0001	3
BARIUM	0	P01007	SELENIUM	P01147	61	0.26752	0.0371	3
BARIUM	0	P01005	TURBIDITY	P00076	283	0.22595	0.0001	3
BERYLLIUM	0	P01010	CADMIUM	P01025	140	0.26195	0.0018	3
BERYLLIUM	0	P01010	CHROMIUM	P01030	140	0.28805	0.0006	3
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	131	0.71424	0.0001	3
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	140	-0.40841	0.0001	3
BERYLLIUM	0	P01010	HARDNESS	P00900	140	0.61439	0.0001	3
BERYLLIUM	0	P01010	IRON	P01045	19	0.76037	0.0002	3
BERYLLIUM	0	P01010	IRON	P01046	140	0.74858	0.0001	3
BERYLLIUM	0	P01010	MANGANESE	P01056	140	0.41141	0.0001	3
BERYLLIUM	0	P01010	NICKEL	P01065	140	0.78545	0.0001	3
BERYLLIUM	0	P01010	PH	P00400	140	-0.54725	0.0001	3
BERYLLIUM	4	P01010	BARIUM	P01005	10	-0.64427	0.0444	3
BERYLLIUM	4	P01010	CADMIUM	P01025	10	0.82368	0.0034	3
BERYLLIUM	4	P01010	CHROMIUM	P01030	10	0.73881	0.0146	3
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	10	0.9086	0.0003	3
BERYLLIUM	4	P01010	HARDNESS	P00900	10	0.89114	0.0005	3
BERYLLIUM	4	P01010	NICKEL	P01065	10	0.95597	0.0001	3
BERYLLIUM	4	P01010	PH	P00400	10	-0.67698	0.0315	3
BERYLLIUM	4	P01010	SULFATE	P00945	10	0.93339	0.0001	3
CADMIUM	0	P01025	CHROMIUM	P01030	434	0.9965	0.0001	3
CADMIUM	0	P01025	CHROMIUM	P01034	289	0.98703	0.0001	3
CADMIUM	0	P01027	CHROMIUM	P01030	291	0.99768	0.0001	3
CADMIUM	0	P01027	CHROMIUM	P01034	366	0.85164	0.0001	3
CADMIUM	0	P01025	CONDUCTANCE	P00095	427	-0.24289	0.0001	3
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	197	-0.14522	0.0417	3
CADMIUM	0	P01025	HARDNESS	P00900	437	-0.23541	0.0001	3
CADMIUM	0	P01025	MANGANESE	P01055	217	-0.50182	0.0001	3
CADMIUM	0	P01025	NICKEL	P01065	427	0.19455	0.0001	3
CADMIUM	0	P01025	NICKEL	P01067	289	0.37969	0.0001	3
CADMIUM	0	P01027	NICKEL	P01065	292	0.82254	0.0001	3
CADMIUM	0	P01027	NICKEL	P01067	356	0.69765	0.0001	3
CADMIUM	0	P01025	PH	P00400	437	-0.4487	0.0001	3
CADMIUM	0	P01027	PH	P00400	346	-0.49341	0.0001	3
CADMIUM	0	P01025	SELENIUM	P01145	290	0.34304	0.0001	3
CADMIUM	0	P01025	SELENIUM	P01147	242	0.26666	0.0001	3
CADMIUM	0	P01027	SELENIUM	P01145	248	0.27953	0.0001	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	0	P01027	SELENIUM	P01147	298	0.28132	0.0001	3
CADMIUM	5	P01027	CHROMIUM	P01034	199	-0.48913	0.0001	3
CADMIUM	5	P01027	DISSOLVED-OXYGE	P00300	157	-0.18731	0.0188	3
CADMIUM	5	P01027	IRON	P01045	198	0.58678	0.0001	3
CADMIUM	5	P01027	MANGANESE	P01055	198	0.43574	0.0001	3
CHROMIUM	0	P01030	CONDUCTANCE	P00095	406	-0.25603	0.0001	3
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	181	-0.18196	0.0142	3
CHROMIUM	0	P01030	HARDNESS	P00900	416	-0.24667	0.0001	3
CHROMIUM	0	P01030	MANGANESE	P01055	217	-0.49514	0.0001	3
CHROMIUM	0	P01030	NICKEL	P01065	427	0.20583	0.0001	3
CHROMIUM	0	P01030	NICKEL	P01067	289	0.38508	0.0001	3
CHROMIUM	0	P01034	NICKEL	P01065	291	0.81472	0.0001	3
CHROMIUM	0	P01034	NICKEL	P01067	355	0.80326	0.0001	3
CHROMIUM	0	P01030	PH	P00400	416	-0.42667	0.0001	3
CHROMIUM	0	P01034	PH	P00400	345	-0.5822	0.0001	3
CHROMIUM	0	P01030	SELENIUM	P01145	290	0.34394	0.0001	3
CHROMIUM	0	P01030	SELENIUM	P01147	242	0.26751	0.0001	3
CHROMIUM	0	P01034	SELENIUM	P01145	248	0.27727	0.0001	3
CHROMIUM	0	P01034	SELENIUM	P01147	298	0.34886	0.0001	3
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	471	0.12884	0.0051	3
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	418	0.58588	0.0001	3
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	2506	0.97247	0.0001	3
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	2170	0.10622	0.0001	3
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	2550	0.78353	0.0001	3
DISSOLVED-SOLID	0	P70301	PH	P00400	2514	0.14939	0.0001	3
DISSOLVED-SOLID	0	P70301	TURBIDITY	P00076	365	-0.13713	0.0087	3
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	8	0.94613	0.0004	3
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	43	0.94769	0.0001	3
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	43	0.83955	0.0001	3
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	30	0.50402	0.0045	3
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	43	0.37578	0.013	3
HARDNESS	0	P00900	ALKALINITY	P39036	418	0.88079	0.0001	3
HARDNESS	0	P00900	CONDUCTANCE	P00095	3003	0.74566	0.0001	3
HARDNESS	0	P00900	PH	P00400	3009	0.25078	0.0001	3
HARDNESS	0	P00900	TURBIDITY	P00076	387	-0.13904	0.0061	3
HARDNESS	300	P00900	ALKALINITY	P39036	43	0.87694	0.0001	3
HARDNESS	300	P00900	CONDUCTANCE	P00095	95	0.75872	0.0001	3
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	73	0.90811	0.0001	3
HARDNESS	300	P00900	MANGANESE	P01055	9	0.93051	0.0003	3
HARDNESS	300	P00900	NICKEL	P01065	15	0.60603	0.0166	3
HARDNESS	300	P00900	NITRITE	P00613	80	0.54811	0.0001	3
HARDNESS	300	P00900	SULFATE	P00945	89	0.68014	0.0001	3
IRON	0	P01046	ALKALINITY	P39036	418	-0.18275	0.0002	3
IRON	0	P01045	CONDUCTANCE	P00095	927	0.64966	0.0001	3
IRON	0	P01046	CONDUCTANCE	P00095	3247	0.52019	0.0001	3
IRON	0	P01047	CONDUCTANCE	P00095	142	0.77975	0.0001	3
IRON	0	P01046	HARDNESS	P00900	2823	0.07565	0.0001	3
IRON	0	P01045	MANGANESE	P01055	842	0.18006	0.0001	3
IRON	0	P01045	MANGANESE	P01056	759	0.17534	0.0001	3
IRON	0	P01046	MANGANESE	P01055	749	0.18768	0.0001	3
IRON	0	P01046	MANGANESE	P01056	3139	0.2179	0.0001	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	0	P01045	NICKEL	P01067	310	0.15742	0.0055	3
IRON	0	P01046	NICKEL	P01065	618	0.62671	0.0001	3
IRON	0	P01046	NICKEL	P01067	296	0.21013	0.0003	3
IRON	0	P01046	NITRITE	P00613	2257	-0.05065	0.0161	3
IRON	0	P01045	PH	P00400	913	-0.19155	0.0001	3
IRON	0	P01046	PH	P00400	3235	-0.20483	0.0001	3
IRON	0	P01047	PH	P00400	142	-0.20896	0.0126	3
IRON	0	P01046	SELENIUM	P01147	234	-0.13121	0.045	3
IRON	300	P01045	BERYLLIUM	P01010	19	0.76037	0.0002	3
IRON	300	P01046	BERYLLIUM	P01010	55	0.73178	0.0001	3
IRON	300	P01045	CONDUCTANCE	P00095	755	0.65657	0.0001	3
IRON	300	P01046	CONDUCTANCE	P00095	914	0.6745	0.0001	3
IRON	300	P01047	CONDUCTANCE	P00095	114	0.80849	0.0001	3
IRON	300	P01046	DISSOLVED-OXYGE	P00300	519	-0.09469	0.031	3
IRON	300	P01046	DISSOLVED-SOLID	P70301	439	0.30733	0.0001	3
IRON	300	P01046	HARDNESS	P00900	607	0.58693	0.0001	3
IRON	300	P01045	MANGANESE	P01055	671	0.17053	0.0001	3
IRON	300	P01045	MANGANESE	P01056	632	0.16727	0.0001	3
IRON	300	P01046	MANGANESE	P01055	471	0.16451	0.0003	3
IRON	300	P01046	MANGANESE	P01056	897	0.19417	0.0001	3
IRON	300	P01045	NICKEL	P01067	259	0.13193	0.0338	3
IRON	300	P01046	NICKEL	P01065	208	0.63839	0.0001	3
IRON	300	P01045	PH	P00400	740	-0.18824	0.0001	3
IRON	300	P01046	PH	P00400	908	-0.21378	0.0001	3
IRON	300	P01047	PH	P00400	114	-0.23883	0.0105	3
IRON	300	P01046	SELENIUM	P01145	152	0.23391	0.0037	3
IRON	300	P01045	SULFATE	P00945	662	0.91103	0.0001	3
IRON	300	P01046	SULFATE	P00945	889	0.90197	0.0001	3
IRON	300	P01047	SULFATE	P00945	114	0.93957	0.0001	3
IRON	2500	P01045	ARSENIC	P01002	88	0.22213	0.0375	3
IRON	2500	P01046	ARSENIC	P01000	20	-0.5603	0.0102	3
IRON	2500	P01045	BERYLLIUM	P01010	6	0.82054	0.0454	3
IRON	2500	P01046	CADMIUM	P01025	24	-0.45485	0.0255	3
IRON	2500	P01046	CHROMIUM	P01030	24	-0.42999	0.036	3
IRON	2500	P01045	CONDUCTANCE	P00095	404	0.68298	0.0001	3
IRON	2500	P01046	CONDUCTANCE	P00095	274	0.75615	0.0001	3
IRON	2500	P01047	CONDUCTANCE	P00095	57	0.84677	0.0001	3
IRON	2500	P01046	DISSOLVED-SOLID	P70301	32	0.41775	0.0174	3
IRON	2500	P01046	HARDNESS	P00900	64	0.60388	0.0001	3
IRON	2500	P01045	MANGANESE	P01055	337	0.14415	0.008	3
IRON	2500	P01045	MANGANESE	P01056	326	0.14193	0.0103	3
IRON	2500	P01046	MANGANESE	P01055	238	0.12786	0.0488	3
IRON	2500	P01046	MANGANESE	P01056	275	0.14253	0.018	3
IRON	2500	P01046	NICKEL	P01065	25	0.68475	0.0002	3
IRON	2500	P01045	PH	P00400	393	-0.19434	0.0001	3
IRON	2500	P01046	PH	P00400	265	-0.19272	0.0016	3
IRON	2500	P01045	SULFATE	P00945	340	0.92319	0.0001	3
IRON	2500	P01046	SULFATE	P00945	274	0.92056	0.0001	3
IRON	2500	P01047	SULFATE	P00945	57	0.94464	0.0001	3
MANGANESE	0	P01056	ALKALINITY	P39036	418	0.0976	0.0461	3
MANGANESE	0	P01055	CONDUCTANCE	P00095	822	0.59723	0.0001	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01056	CONDUCTANCE	P00095	3083	0.50048	0.0001	3
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	138	0.86693	0.0001	3
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	2386	0.07937	0.0001	3
MANGANESE	0	P01055	HARDNESS	P00900	302	0.7976	0.0001	3
MANGANESE	0	P01056	HARDNESS	P00900	2662	0.16073	0.0001	3
MANGANESE	0	P01055	NICKEL	P01065	217	0.76593	0.0001	3
MANGANESE	0	P01055	NICKEL	P01067	263	0.76428	0.0001	3
MANGANESE	0	P01056	NICKEL	P01065	578	0.80263	0.0001	3
MANGANESE	0	P01056	NICKEL	P01067	255	0.73678	0.0001	3
MANGANESE	0	P01055	NITRITE	P00615	6	0.96357	0.002	3
MANGANESE	0	P01056	NITRITE	P00613	2218	-0.0495	0.0197	3
MANGANESE	0	P01055	PH	P00400	807	-0.38731	0.0001	3
MANGANESE	0	P01056	PH	P00400	3071	-0.40887	0.0001	3
MANGANESE	0	P01055	SELENIUM	P01145	198	-0.17989	0.0112	3
MANGANESE	0	P01056	SELENIUM	P01145	475	0.16273	0.0004	3
MANGANESE	0	P01056	SELENIUM	P01147	233	-0.13608	0.0379	3
MANGANESE	0	P01056	TURBIDITY	P00076	326	0.10877	0.0497	3
MANGANESE	50	P01055	ARSENIC	P01000	206	-0.18023	0.0095	3
MANGANESE	50	P01056	ARSENIC	P01000	246	-0.15103	0.0178	3
MANGANESE	50	P01056	ARSENIC	P01002	232	-0.1508	0.0216	3
MANGANESE	50	P01056	BERYLLIUM	P01010	85	0.35283	0.0009	3
MANGANESE	50	P01055	CADMIUM	P01025	217	-0.50182	0.0001	3
MANGANESE	50	P01056	CADMIUM	P01025	290	-0.23703	0.0001	3
MANGANESE	50	P01055	CHROMIUM	P01030	217	-0.49514	0.0001	3
MANGANESE	50	P01056	CHROMIUM	P01030	290	-0.21847	0.0002	3
MANGANESE	50	P01055	CONDUCTANCE	P00095	760	0.59339	0.0001	3
MANGANESE	50	P01056	CONDUCTANCE	P00095	1403	0.5254	0.0001	3
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	120	0.86903	0.0001	3
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	776	0.09584	0.0075	3
MANGANESE	50	P01055	HARDNESS	P00900	284	0.80242	0.0001	3
MANGANESE	50	P01056	HARDNESS	P00900	1004	0.39341	0.0001	3
MANGANESE	50	P01055	IRON	P01045	779	0.17661	0.0001	3
MANGANESE	50	P01055	IRON	P01046	715	0.18561	0.0001	3
MANGANESE	50	P01056	IRON	P01045	714	0.17246	0.0001	3
MANGANESE	50	P01056	IRON	P01046	1431	0.20572	0.0001	3
MANGANESE	50	P01055	NICKEL	P01065	217	0.76593	0.0001	3
MANGANESE	50	P01055	NICKEL	P01067	244	0.74904	0.0001	3
MANGANESE	50	P01056	NICKEL	P01065	363	0.7577	0.0001	3
MANGANESE	50	P01056	NICKEL	P01067	247	0.73033	0.0001	3
MANGANESE	50	P01056	NITRATE	P00618	312	-0.14465	0.0105	3
MANGANESE	50	P01056	NITRITE	P00613	646	-0.09273	0.0184	3
MANGANESE	50	P01055	PH	P00400	746	-0.38116	0.0001	3
MANGANESE	50	P01056	PH	P00400	1396	-0.40853	0.0001	3
MANGANESE	50	P01055	SELENIUM	P01145	198	-0.17989	0.0112	3
MANGANESE	50	P01056	SELENIUM	P01147	229	-0.14795	0.0252	3
MANGANESE	50	P01055	SULFATE	P00945	719	0.38094	0.0001	3
MANGANESE	50	P01056	SULFATE	P00945	1426	0.41637	0.0001	3
NICKEL	0	P01065	CONDUCTANCE	P00095	634	0.61644	0.0001	3
NICKEL	0	P01067	CONDUCTANCE	P00095	341	0.1501	0.0055	3
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	613	-0.20136	0.0001	3
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	409	0.36899	0.0001	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	0	P01065	HARDNESS	P00900	646	0.58378	0.0001	3
NICKEL	0	P01067	HARDNESS	P00900	344	0.50446	0.0001	3
NICKEL	0	P01065	PH	P00400	641	-0.60713	0.0001	3
NICKEL	0	P01067	PH	P00400	341	-0.47782	0.0001	3
NICKEL	0	P01065	SELENIUM	P01145	519	0.35485	0.0001	3
NICKEL	0	P01065	SELENIUM	P01147	242	0.12811	0.0465	3
NICKEL	0	P01067	SELENIUM	P01147	298	0.2565	0.0001	3
NICKEL	100	P01065	BERYLLIUM	P01010	16	0.74679	0.0009	3
NICKEL	100	P01065	CADMIUM	P01025	16	0.51618	0.0407	3
NICKEL	100	P01065	CHROMIUM	P01030	16	0.84148	0.0001	3
NICKEL	100	P01065	CONDUCTANCE	P00095	16	0.85633	0.0001	3
NICKEL	100	P01067	CONDUCTANCE	P00095	6	0.90526	0.013	3
NICKEL	100	P01065	HARDNESS	P00900	16	0.76526	0.0006	3
NICKEL	100	P01065	IRON	P01046	16	0.61771	0.0108	3
NICKEL	100	P01065	PH	P00400	16	-0.50042	0.0484	3
NICKEL	100	P01065	SULFATE	P00945	16	0.83597	0.0001	3
NITRATE	0	P00618	ALKALINITY	P39036	363	0.40361	0.0001	3
NITRATE	0	P00618	BARIUM	P01005	198	0.18836	0.0079	3
NITRATE	0	P00618	BERYLLIUM	P01010	63	-0.25108	0.0472	3
NITRATE	0	P00618	CADMIUM	P01025	103	0.22328	0.0234	3
NITRATE	0	P00618	CHROMIUM	P01030	98	0.29452	0.0032	3
NITRATE	0	P00618	CONDUCTANCE	P00095	3608	0.59002	0.0001	3
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	3137	0.06738	0.0002	3
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	1322	0.34946	0.0001	3
NITRATE	0	P00618	HARDNESS	P00900	1368	0.57087	0.0001	3
NITRATE	0	P00618	IRON	P01046	1253	-0.1898	0.0001	3
NITRATE	0	P00618	MANGANESE	P01056	1215	-0.17026	0.0001	3
NITRATE	0	P00618	NICKEL	P01067	69	0.32601	0.0063	3
NITRATE	0	P00618	NITRITE	P00613	4278	0.39694	0.0001	3
NITRATE	0	P00618	NITRITE	P00615	72	0.30721	0.0087	3
NITRATE	0	P00618	PH	P00400	3562	0.39678	0.0001	3
NITRATE	0	P00618	TURBIDITY	P00076	1830	-0.14946	0.0001	3
NITRATE	8	P00618	CONDUCTANCE	P00095	598	0.45701	0.0001	3
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	540	0.15764	0.0002	3
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	98	0.71286	0.0001	3
NITRATE	8	P00618	HARDNESS	P00900	98	0.20049	0.0478	3
NITRATE	8	P00618	NITRITE	P00613	625	-0.11624	0.0036	3
NITRATE	8	P00618	SULFATE	P00945	100	0.56174	0.0001	3
NITRATE	8	P00618	TURBIDITY	P00076	315	-0.12396	0.0278	3
NITRATE	10	P00618	CONDUCTANCE	P00095	424	0.52328	0.0001	3
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	63	0.78078	0.0001	3
NITRATE	10	P00618	NITRITE	P00613	441	-0.1169	0.014	3
NITRATE	10	P00618	SULFATE	P00945	65	0.65642	0.0001	3
NITRATE	10	P00618	TURBIDITY	P00076	244	-0.13005	0.0424	3
NITRITE	0	P00613	ALKALINITY	P39036	491	0.2813	0.0001	3
NITRITE	0	P00613	CONDUCTANCE	P00095	5110	0.43375	0.0001	3
NITRITE	0	P00615	CONDUCTANCE	P00095	59	0.32147	0.013	3
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	4513	-0.07112	0.0001	3
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	2253	0.40859	0.0001	3
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	55	0.34748	0.0093	3
NITRITE	0	P00613	HARDNESS	P00900	2376	0.37645	0.0001	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00615	HARDNESS	P00900	55	0.27054	0.0458	3
NITRITE	0	P00613	PH	P00400	5057	0.19401	0.0001	3
PH	0	P00400	ALKALINITY	P39036	524	0.49831	0.0001	3
PH	0	P00400	TURBIDITY	P00076	1804	-0.13727	0.0001	3
SELENIUM	0	P01145	CONDUCTANCE	P00095	502	-0.11206	0.012	3
SELENIUM	0	P01145	HARDNESS	P00900	507	-0.12233	0.0058	3
SELENIUM	0	P01145	PH	P00400	500	-0.1935	0.0001	3
SELENIUM	50	P01147	ARSENIC	P01000	15	0.68139	0.0052	3
SELENIUM	50	P01147	ARSENIC	P01002	15	1	0.0001	3
SELENIUM	50	P01147	CADMIUM	P01027	15	-1	0.0001	3
SELENIUM	50	P01147	IRON	P01045	15	-0.94713	0.0001	3
SELENIUM	50	P01147	IRON	P01046	15	-0.61885	0.0139	3
SELENIUM	50	P01147	MANGANESE	P01055	15	-0.96226	0.0001	3
SELENIUM	50	P01147	NICKEL	P01067	15	-0.983	0.0001	3
SULFATE	0	P00945	ALKALINITY	P39036	418	0.41825	0.0001	3
SULFATE	0	P00945	BARIUM	P01005	558	0.09338	0.0274	3
SULFATE	0	P00945	BERYLLIUM	P01010	130	0.77293	0.0001	3
SULFATE	0	P00945	CADMIUM	P01025	391	-0.14694	0.0036	3
SULFATE	0	P00945	CADMIUM	P01027	316	0.33234	0.0001	3
SULFATE	0	P00945	CHROMIUM	P01030	375	-0.16547	0.0013	3
SULFATE	0	P00945	CHROMIUM	P01034	314	0.39891	0.0001	3
SULFATE	0	P00945	CONDUCTANCE	P00095	3321	0.69581	0.0001	3
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	2444	0.07114	0.0004	3
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	2550	0.58235	0.0001	3
SULFATE	0	P00945	HARDNESS	P00900	2886	0.65469	0.0001	3
SULFATE	0	P00945	IRON	P01045	813	0.90735	0.0001	3
SULFATE	0	P00945	IRON	P01046	3153	0.89051	0.0001	3
SULFATE	0	P00945	IRON	P01047	142	0.93346	0.0001	3
SULFATE	0	P00945	MANGANESE	P01055	769	0.38584	0.0001	3
SULFATE	0	P00945	MANGANESE	P01056	3089	0.438	0.0001	3
SULFATE	0	P00945	NICKEL	P01065	600	0.79753	0.0001	3
SULFATE	0	P00945	NICKEL	P01067	310	0.77326	0.0001	3
SULFATE	0	P00945	NITRITE	P00613	2361	0.0813	0.0001	3
SULFATE	0	P00945	PH	P00400	3313	-0.39144	0.0001	3
SULFATE	25	P00945	ALKALINITY	P39036	191	0.41354	0.0001	3
SULFATE	25	P00945	BARIUM	P01005	338	0.27183	0.0001	3
SULFATE	25	P00945	BERYLLIUM	P01010	91	0.77936	0.0001	3
SULFATE	25	P00945	CADMIUM	P01025	262	-0.28731	0.0001	3
SULFATE	25	P00945	CHROMIUM	P01030	258	-0.29213	0.0001	3
SULFATE	25	P00945	CONDUCTANCE	P00095	1443	0.70014	0.0001	3
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	960	0.06663	0.039	3
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	849	0.52082	0.0001	3
SULFATE	25	P00945	HARDNESS	P00900	1026	0.64766	0.0001	3
SULFATE	25	P00945	IRON	P01045	647	0.91174	0.0001	3
SULFATE	25	P00945	IRON	P01046	1431	0.89721	0.0001	3
SULFATE	25	P00945	IRON	P01047	142	0.93346	0.0001	3
SULFATE	25	P00945	MANGANESE	P01055	626	0.36824	0.0001	3
SULFATE	25	P00945	MANGANESE	P01056	1415	0.41492	0.0001	3
SULFATE	25	P00945	NICKEL	P01065	350	0.78751	0.0001	3
SULFATE	25	P00945	NICKEL	P01067	183	0.73925	0.0001	3
SULFATE	25	P00945	NITRATE	P00618	496	-0.13567	0.0025	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	NITRITE	P00613	823	0.06896	0.048	3
SULFATE	25	P00945	PH	P00400	1434	-0.39919	0.0001	3
SULFATE	120	P00945	ALKALINITY	P39036	6	0.92044	0.0092	3
SULFATE	120	P00945	BERYLLIUM	P01010	31	0.75101	0.0001	3
SULFATE	120	P00945	CONDUCTANCE	P00095	560	0.68895	0.0001	3
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	143	0.57464	0.0001	3
SULFATE	120	P00945	HARDNESS	P00900	184	0.81706	0.0001	3
SULFATE	120	P00945	IRON	P01045	408	0.92297	0.0001	3
SULFATE	120	P00945	IRON	P01046	558	0.91111	0.0001	3
SULFATE	120	P00945	IRON	P01047	142	0.93346	0.0001	3
SULFATE	120	P00945	MANGANESE	P01055	406	0.31761	0.0001	3
SULFATE	120	P00945	MANGANESE	P01056	558	0.35024	0.0001	3
SULFATE	120	P00945	NICKEL	P01065	46	0.8002	0.0001	3
SULFATE	120	P00945	NICKEL	P01067	11	0.73153	0.0105	3
SULFATE	120	P00945	NITRITE	P00613	161	0.16142	0.0408	3
SULFATE	120	P00945	PH	P00400	549	-0.33951	0.0001	3
SULFATE	150	P00945	ALKALINITY	P39036	6	0.92044	0.0092	3
SULFATE	150	P00945	BERYLLIUM	P01010	26	0.73544	0.0001	3
SULFATE	150	P00945	CONDUCTANCE	P00095	483	0.67951	0.0001	3
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	87	0.54094	0.0001	3
SULFATE	150	P00945	HARDNESS	P00900	122	0.80333	0.0001	3
SULFATE	150	P00945	IRON	P01045	385	0.9243	0.0001	3
SULFATE	150	P00945	IRON	P01046	482	0.91372	0.0001	3
SULFATE	150	P00945	IRON	P01047	142	0.93346	0.0001	3
SULFATE	150	P00945	MANGANESE	P01055	383	0.30911	0.0001	3
SULFATE	150	P00945	MANGANESE	P01056	482	0.33362	0.0001	3
SULFATE	150	P00945	NICKEL	P01065	31	0.69439	0.0001	3
SULFATE	150	P00945	NICKEL	P01067	10	0.74427	0.0136	3
SULFATE	150	P00945	PH	P00400	472	-0.31733	0.0001	3
SULFATE	250	P00945	BERYLLIUM	P01010	19	0.72938	0.0004	3
SULFATE	250	P00945	CADMIUM	P01025	19	0.51959	0.0226	3
SULFATE	250	P00945	CHROMIUM	P01030	19	0.6608	0.0021	3
SULFATE	250	P00945	CONDUCTANCE	P00095	372	0.66696	0.0001	3
SULFATE	250	P00945	HARDNESS	P00900	49	0.7858	0.0001	3
SULFATE	250	P00945	IRON	P01045	334	0.92714	0.0001	3
SULFATE	250	P00945	IRON	P01046	372	0.91814	0.0001	3
SULFATE	250	P00945	IRON	P01047	140	0.93413	0.0001	3
SULFATE	250	P00945	MANGANESE	P01055	333	0.28929	0.0001	3
SULFATE	250	P00945	MANGANESE	P01056	372	0.30051	0.0001	3
SULFATE	250	P00945	NICKEL	P01065	19	0.61263	0.0053	3
SULFATE	250	P00945	PH	P00400	362	-0.27544	0.0001	3
SULFATE	500	P00945	CADMIUM	P01025	5	0.9769	0.0042	3
SULFATE	500	P00945	CHROMIUM	P01030	5	0.9769	0.0042	3
SULFATE	500	P00945	CONDUCTANCE	P00095	239	0.76852	0.0001	3
SULFATE	500	P00945	HARDNESS	P00900	12	0.80915	0.0014	3
SULFATE	500	P00945	IRON	P01045	229	0.93326	0.0001	3
SULFATE	500	P00945	IRON	P01046	238	0.92462	0.0001	3
SULFATE	500	P00945	IRON	P01047	127	0.93729	0.0001	3
SULFATE	500	P00945	MANGANESE	P01055	229	0.2296	0.0005	3
SULFATE	500	P00945	MANGANESE	P01056	239	0.23477	0.0003	3
SULFATE	500	P00945	PH	P00400	231	-0.21629	0.0009	3

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
TURBIDITY	0	P00076	CONDUCTANCE	P00095	1820	-0.18036	0.0001	3
ALKALINITY	0	P39036	CONDUCTANCE	P00095	66	0.78869	0.0001	4
ANTIMONY	0	P01095	CADMIUM	P01025	37	0.74031	0.0001	4
ANTIMONY	0	P01097	CADMIUM	P01027	191	0.58579	0.0001	4
ANTIMONY	0	P01095	CHROMIUM	P01030	37	0.92162	0.0001	4
ANTIMONY	0	P01095	CONDUCTANCE	P00095	34	0.36771	0.0324	4
ANTIMONY	0	P01097	CYANIDE	P00720	134	0.9922	0.0001	4
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	37	0.39921	0.0144	4
ANTIMONY	0	P01097	DISSOLVED-OXYGE	P00300	52	0.34205	0.0131	4
ANTIMONY	0	P01095	IRON	P01046	33	-0.3617	0.0386	4
ANTIMONY	0	P01095	MANGANESE	P01056	37	-0.47078	0.0033	4
ANTIMONY	0	P01097	MERCURY	P71900	168	0.71832	0.0001	4
ANTIMONY	0	P01097	NICKEL	P01067	260	0.13651	0.0277	4
ANTIMONY	0	P01097	SELENIUM	P01147	160	0.82937	0.0001	4
ANTIMONY	0	P01097	THALLIUM	P01059	44	0.86986	0.0001	4
ANTIMONY	0	P01095	TURBIDITY	P00076	9	0.99543	0.0001	4
ANTIMONY	0	P01097	TURBIDITY	P00076	10	-0.71129	0.0211	4
ANTIMONY	6	P01095	ARSENIC	P01000	24	-0.41935	0.0414	4
ANTIMONY	6	P01097	ARSENIC	P01002	16	0.86813	0.0001	4
ANTIMONY	6	P01095	BERYLLIUM	P01010	24	-0.6742	0.0003	4
ANTIMONY	6	P01095	CADMIUM	P01025	24	-0.50052	0.0127	4
ANTIMONY	6	P01097	CADMIUM	P01027	11	0.82562	0.0017	4
ANTIMONY	6	P01095	DISSOLVED-OXYGE	P00300	24	0.41114	0.0459	4
ANTIMONY	6	P01095	SELENIUM	P01145	24	-0.68418	0.0002	4
ARSENIC	0	P01002	ANTIMONY	P01097	261	0.47255	0.0001	4
ARSENIC	0	P01002	BARIUM	P01007	140	0.20873	0.0133	4
ARSENIC	0	P01002	BERYLLIUM	P01012	420	0.35326	0.0001	4
ARSENIC	0	P01000	CADMIUM	P01025	133	0.61391	0.0001	4
ARSENIC	0	P01002	CADMIUM	P01027	1341	0.13508	0.0001	4
ARSENIC	0	P01000	CHROMIUM	P01030	124	0.57254	0.0001	4
ARSENIC	0	P01002	CHROMIUM	P01034	1382	0.44756	0.0001	4
ARSENIC	0	P01000	CONDUCTANCE	P00095	153	0.31449	0.0001	4
ARSENIC	0	P01002	CYANIDE	P00720	303	0.24075	0.0001	4
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	1038	0.13081	0.0001	4
ARSENIC	0	P01002	IRON	P01045	970	0.23863	0.0001	4
ARSENIC	0	P01002	IRON	P01046	149	0.26277	0.0012	4
ARSENIC	0	P01002	MANGANESE	P01055	769	0.15316	0.0001	4
ARSENIC	0	P01000	MERCURY	P71900	71	0.48917	0.0001	4
ARSENIC	0	P01002	MERCURY	P71900	1239	0.60949	0.0001	4
ARSENIC	0	P01002	NICKEL	P01067	1272	0.42854	0.0001	4
ARSENIC	0	P01000	NITRATE	P00618	37	0.81191	0.0001	4
ARSENIC	0	P01002	NITRATE	P00618	282	-0.13543	0.0229	4
ARSENIC	0	P01002	NITRITE	P00613	560	0.08525	0.0438	4
ARSENIC	0	P01002	NITRITE	P00615	564	0.26414	0.0001	4
ARSENIC	0	P01000	SELENIUM	P01145	145	0.62281	0.0001	4
ARSENIC	0	P01002	SELENIUM	P01147	1122	0.5604	0.0001	4
ARSENIC	0	P01002	THALLIUM	P01059	87	0.69832	0.0001	4
ARSENIC	2	P01000	ANTIMONY	P01095	23	-0.41554	0.0486	4
ARSENIC	2	P01002	ANTIMONY	P01097	66	0.38612	0.0014	4
ARSENIC	2	P01002	BERYLLIUM	P01012	81	0.34626	0.0015	4
ARSENIC	2	P01002	CADMIUM	P01027	248	0.2092	0.0009	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01002	CHROMIUM	P01030	3	1	0.0001	4
ARSENIC	2	P01002	CHROMIUM	P01034	268	0.43898	0.0001	4
ARSENIC	2	P01002	DISSOLVED-OXYGE	P00300	154	0.53611	0.0001	4
ARSENIC	2	P01002	DISSOLVED-SOLID	P70301	111	-0.24526	0.0095	4
ARSENIC	2	P01002	MERCURY	P71900	232	0.5995	0.0001	4
ARSENIC	2	P01002	NICKEL	P01067	208	0.54406	0.0001	4
ARSENIC	2	P01002	NITRATE	P00618	66	-0.26896	0.029	4
ARSENIC	2	P01002	NITRITE	P00615	142	0.21323	0.0108	4
ARSENIC	2	P01000	SELENIUM	P01145	26	0.63361	0.0005	4
ARSENIC	2	P01002	SELENIUM	P01147	168	0.47596	0.0001	4
ARSENIC	2	P01002	THALLIUM	P01059	39	0.71224	0.0001	4
ARSENIC	5	P01002	CADMIUM	P01027	92	0.47135	0.0001	4
ARSENIC	5	P01002	CHROMIUM	P01034	102	0.39089	0.0001	4
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	59	0.37137	0.0038	4
ARSENIC	5	P01002	MERCURY	P71900	86	0.4898	0.0001	4
ARSENIC	5	P01002	NICKEL	P01067	59	0.46465	0.0002	4
ARSENIC	5	P01002	NITRATE	P00618	44	-0.50621	0.0005	4
ARSENIC	5	P01002	SELENIUM	P01147	69	0.26766	0.0262	4
ARSENIC	5	P01002	THALLIUM	P01059	18	0.7847	0.0001	4
ARSENIC	5	P01002	TURBIDITY	P00076	5	0.92395	0.0249	4
ARSENIC	10	P01002	CADMIUM	P01027	57	0.39954	0.0021	4
ARSENIC	10	P01002	CHROMIUM	P01034	65	0.37837	0.0019	4
ARSENIC	10	P01002	MERCURY	P71900	56	0.3311	0.0127	4
ARSENIC	10	P01002	NICKEL	P01067	32	0.36317	0.041	4
ARSENIC	10	P01002	NITRATE	P00618	36	-0.5164	0.0013	4
ARSENIC	10	P01002	THALLIUM	P01059	14	0.82594	0.0003	4
ARSENIC	20	P01002	BARIUM	P01007	20	-1	0.0001	4
ARSENIC	20	P01002	MANGANESE	P01055	22	-0.4292	0.0462	4
ARSENIC	20	P01002	PH	P00400	27	-0.41808	0.03	4
ARSENIC	20	P01002	THALLIUM	P01059	5	0.98987	0.0012	4
BARIUM	0	P01007	BERYLLIUM	P01012	56	0.43455	0.0008	4
BARIUM	0	P01005	CHROMIUM	P01030	66	0.41987	0.0004	4
BARIUM	0	P01005	CHROMIUM	P01034	12	-0.61103	0.0348	4
BARIUM	0	P01007	CHROMIUM	P01034	149	0.42857	0.0001	4
BARIUM	0	P01005	CONDUCTANCE	P00095	741	0.17965	0.0001	4
BARIUM	0	P01007	CONDUCTANCE	P00095	143	-0.28127	0.0007	4
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	122	0.39881	0.0001	4
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	684	0.15445	0.0001	4
BARIUM	0	P01007	DISSOLVED-SOLID	P70301	48	-0.63069	0.0001	4
BARIUM	0	P01005	HARDNESS	P00900	712	0.19905	0.0001	4
BARIUM	0	P01007	HARDNESS	P00900	48	-0.76841	0.0001	4
BARIUM	0	P01007	IRON	P01045	77	0.39788	0.0003	4
BARIUM	0	P01005	MANGANESE	P01056	717	0.22145	0.0001	4
BARIUM	0	P01007	MANGANESE	P01055	77	0.57293	0.0001	4
BARIUM	0	P01005	MERCURY	P71900	12	-0.58192	0.0471	4
BARIUM	0	P01005	NICKEL	P01065	754	0.28032	0.0001	4
BARIUM	0	P01007	NICKEL	P01067	119	0.28008	0.002	4
BARIUM	0	P01005	NITRITE	P00613	740	0.1944	0.0001	4
BARIUM	0	P01005	NITRITE	P00615	126	0.31073	0.0004	4
BARIUM	0	P01005	PH	P00400	746	0.07584	0.0384	4
BARIUM	0	P01007	PH	P00400	138	0.4878	0.0001	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01007	SELENIUM	P01147	140	0.21527	0.0106	4
BARIUM	0	P01005	TURBIDITY	P00076	747	0.19	0.0001	4
BERYLLIUM	0	P01012	CHROMIUM	P01034	432	0.76108	0.0001	4
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	43	0.45547	0.0021	4
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	371	-0.15047	0.0037	4
BERYLLIUM	0	P01012	CYANIDE	P00720	233	0.25844	0.0001	4
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	41	-0.36876	0.0177	4
BERYLLIUM	0	P01012	DISSOLVED-OXYGE	P00300	248	0.60102	0.0001	4
BERYLLIUM	0	P01012	DISSOLVED-SOLID	P70301	213	-0.32494	0.0001	4
BERYLLIUM	0	P01012	HARDNESS	P00900	334	-0.20618	0.0001	4
BERYLLIUM	0	P01012	IRON	P01046	9	-0.68339	0.0424	4
BERYLLIUM	0	P01012	MANGANESE	P01056	9	-0.7043	0.0342	4
BERYLLIUM	0	P01012	MERCURY	P71900	410	0.18095	0.0002	4
BERYLLIUM	0	P01010	NICKEL	P01065	20	-0.7246	0.0003	4
BERYLLIUM	0	P01012	NICKEL	P01067	448	0.441	0.0001	4
BERYLLIUM	0	P01012	NITRITE	P00613	73	-0.35028	0.0024	4
BERYLLIUM	0	P01012	NITRITE	P00615	176	0.42218	0.0001	4
BERYLLIUM	0	P01012	PH	P00400	355	0.32123	0.0001	4
BERYLLIUM	0	P01010	SELENIUM	P01145	31	0.4949	0.0046	4
BERYLLIUM	0	P01012	THALLIUM	P01059	86	0.38189	0.0003	4
BERYLLIUM	0	P01012	TURBIDITY	P00076	168	0.36425	0.0001	4
BERYLLIUM	4	P01012	ARSENIC	P01002	229	0.35206	0.0001	4
BERYLLIUM	4	P01012	CHROMIUM	P01034	241	0.76145	0.0001	4
BERYLLIUM	4	P01012	CYANIDE	P00720	148	1	0.0001	4
BERYLLIUM	4	P01012	MANGANESE	P01055	87	0.39024	0.0002	4
BERYLLIUM	4	P01012	MERCURY	P71900	235	0.27554	0.0001	4
BERYLLIUM	4	P01012	NICKEL	P01067	241	0.45626	0.0001	4
CADMIUM	0	P01025	CHROMIUM	P01030	172	0.48918	0.0001	4
CADMIUM	0	P01027	CHROMIUM	P01034	1364	0.09374	0.0005	4
CADMIUM	0	P01025	CONDUCTANCE	P00095	178	0.43467	0.0001	4
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	1065	0.12678	0.0001	4
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	107	0.43087	0.0001	4
CADMIUM	0	P01025	IRON	P01045	66	-0.53925	0.0001	4
CADMIUM	0	P01025	IRON	P01046	177	0.24704	0.0009	4
CADMIUM	0	P01027	IRON	P01045	982	0.14192	0.0001	4
CADMIUM	0	P01025	MANGANESE	P01055	66	-0.48435	0.0001	4
CADMIUM	0	P01025	MANGANESE	P01056	137	0.23403	0.0059	4
CADMIUM	0	P01027	MERCURY	P71900	1230	0.31297	0.0001	4
CADMIUM	0	P01025	NICKEL	P01065	93	0.69638	0.0001	4
CADMIUM	0	P01027	NICKEL	P01067	1244	0.1931	0.0001	4
CADMIUM	0	P01027	NITRITE	P00613	552	0.27703	0.0001	4
CADMIUM	0	P01027	PH	P00400	1236	-0.09092	0.0014	4
CADMIUM	0	P01025	SELENIUM	P01145	130	0.32832	0.0001	4
CADMIUM	0	P01027	SELENIUM	P01147	1101	0.25395	0.0001	4
CADMIUM	5	P01025	ANTIMONY	P01095	4	1	0.0001	4
CADMIUM	5	P01027	ANTIMONY	P01097	5	-1	0.0001	4
CADMIUM	5	P01027	ARSENIC	P01002	29	-0.49916	0.0058	4
CADMIUM	5	P01025	CHROMIUM	P01030	7	-0.97979	0.0001	4
CADMIUM	5	P01025	CONDUCTANCE	P00095	7	-0.92612	0.0027	4
CADMIUM	5	P01025	HARDNESS	P00900	7	-0.85891	0.0133	4
CADMIUM	5	P01027	MERCURY	P71900	25	-0.49527	0.0118	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	5	P01027	PH	P00400	29	-0.61273	0.0004	4
CADMIUM	5	P01027	TURBIDITY	P00076	4	0.99967	0.0003	4
CHROMIUM	0	P01030	CONDUCTANCE	P00095	169	0.66333	0.0001	4
CHROMIUM	0	P01034	DISSOLVED-OXYGE	P00300	1041	0.11673	0.0002	4
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	103	0.48415	0.0001	4
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	775	0.12218	0.0007	4
CHROMIUM	0	P01030	HARDNESS	P00900	124	0.32491	0.0002	4
CHROMIUM	0	P01034	IRON	P01045	958	0.40188	0.0001	4
CHROMIUM	0	P01034	IRON	P01046	110	0.29885	0.0015	4
CHROMIUM	0	P01034	MANGANESE	P01055	756	0.23392	0.0001	4
CHROMIUM	0	P01034	MERCURY	P71900	1233	0.2399	0.0001	4
CHROMIUM	0	P01030	NICKEL	P01065	93	0.361	0.0004	4
CHROMIUM	0	P01034	NICKEL	P01067	1274	0.88654	0.0001	4
CHROMIUM	0	P01030	NITRITE	P00615	96	0.62494	0.0001	4
CHROMIUM	0	P01034	NITRITE	P00613	553	0.09858	0.0204	4
CHROMIUM	0	P01034	NITRITE	P00615	529	0.13371	0.0021	4
CHROMIUM	0	P01030	PH	P00400	168	0.23624	0.002	4
CHROMIUM	0	P01030	SELENIUM	P01145	126	0.21026	0.0181	4
CHROMIUM	0	P01034	SELENIUM	P01147	1094	0.24306	0.0001	4
CHROMIUM	0	P01034	THALLIUM	P01059	87	0.32025	0.0025	4
CHROMIUM	100	P01034	MERCURY	P71900	8	0.79156	0.0192	4
CHROMIUM	100	P01034	NICKEL	P01067	8	0.78894	0.0199	4
CYANIDE	0	P00720	DISSOLVED-SOLID	P70301	131	0.23905	0.006	4
CYANIDE	0	P00720	HARDNESS	P00900	157	0.38944	0.0001	4
CYANIDE	0	P00720	MANGANESE	P01055	38	0.85978	0.0001	4
CYANIDE	0	P00720	MERCURY	P71900	301	0.56399	0.0001	4
CYANIDE	0	P00720	NICKEL	P01067	295	0.24923	0.0001	4
CYANIDE	0	P00720	SELENIUM	P01147	301	0.38565	0.0001	4
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	15092	-0.13269	0.0001	4
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	6506	0.07042	0.0001	4
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	63	0.82253	0.0001	4
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	5201	0.9315	0.0001	4
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	4873	-0.05742	0.0001	4
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	5408	0.90488	0.0001	4
DISSOLVED-SOLID	0	P70301	PH	P00400	5130	0.08391	0.0001	4
DISSOLVED-SOLID	0	P70301	WELL-DEPTH	P72008	3	0.99977	0.0137	4
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	43	0.91435	0.0001	4
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	81	0.96973	0.0001	4
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	5	0.88359	0.0468	4
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	81	0.94386	0.0001	4
HARDNESS	0	P00900	ALKALINITY	P39036	66	0.95887	0.0001	4
HARDNESS	0	P00900	CONDUCTANCE	P00095	6362	0.90429	0.0001	4
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	6022	-0.11672	0.0001	4
HARDNESS	0	P00900	PH	P00400	6263	0.18942	0.0001	4
HARDNESS	300	P00900	CONDUCTANCE	P00095	60	0.95553	0.0001	4
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	80	0.99656	0.0001	4
HARDNESS	300	P00900	SULFATE	P00945	90	0.98097	0.0001	4
IRON	0	P01045	CONDUCTANCE	P00095	1820	-0.04614	0.0491	4
IRON	0	P01045	DISSOLVED-OXYGE	P00300	1764	0.05976	0.0121	4
IRON	0	P01046	DISSOLVED-OXYGE	P00300	3825	-0.2707	0.0001	4
IRON	0	P01045	DISSOLVED-SOLID	P70301	1147	-0.10941	0.0002	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	0	P01045	HARDNESS	P00900	1555	-0.09486	0.0002	4
IRON	0	P01046	HARDNESS	P00900	3900	-0.05857	0.0003	4
IRON	0	P01045	MANGANESE	P01055	1452	0.56707	0.0001	4
IRON	0	P01045	MANGANESE	P01056	760	0.18208	0.0001	4
IRON	0	P01046	MANGANESE	P01055	756	0.21962	0.0001	4
IRON	0	P01046	MANGANESE	P01056	4066	0.77887	0.0001	4
IRON	0	P01045	MERCURY	P71900	972	0.11453	0.0003	4
IRON	0	P01045	NICKEL	P01067	851	0.36018	0.0001	4
IRON	0	P01046	NICKEL	P01065	779	0.84768	0.0001	4
IRON	0	P01045	NITRITE	P00615	861	0.1043	0.0022	4
IRON	0	P01045	PH	P00400	1815	-0.05914	0.0117	4
IRON	0	P01046	PH	P00400	3957	-0.12038	0.0001	4
IRON	0	P01045	TURBIDITY	P00076	452	0.55822	0.0001	4
IRON	300	P01045	ARSENIC	P01002	636	0.22846	0.0001	4
IRON	300	P01045	BARIUM	P01007	63	0.38626	0.0018	4
IRON	300	P01046	BARIUM	P01005	253	0.398	0.0001	4
IRON	300	P01045	CADMIUM	P01025	33	-0.50379	0.0028	4
IRON	300	P01045	CADMIUM	P01027	648	0.12101	0.002	4
IRON	300	P01045	CHROMIUM	P01034	638	0.39957	0.0001	4
IRON	300	P01046	CONDUCTANCE	P00095	1632	0.19078	0.0001	4
IRON	300	P01045	DISSOLVED-OXYGE	P00300	1214	0.06489	0.0238	4
IRON	300	P01046	DISSOLVED-OXYGE	P00300	1593	-0.23361	0.0001	4
IRON	300	P01045	DISSOLVED-SOLID	P70301	750	-0.07327	0.0449	4
IRON	300	P01046	DISSOLVED-SOLID	P70301	1416	0.1437	0.0001	4
IRON	300	P01045	MANGANESE	P01055	1031	0.65709	0.0001	4
IRON	300	P01045	MANGANESE	P01056	535	0.16842	0.0001	4
IRON	300	P01046	MANGANESE	P01055	232	0.27704	0.0001	4
IRON	300	P01046	MANGANESE	P01056	1644	0.825	0.0001	4
IRON	300	P01045	MERCURY	P71900	642	0.0925	0.0191	4
IRON	300	P01045	NICKEL	P01067	549	0.44225	0.0001	4
IRON	300	P01046	NICKEL	P01065	255	0.9401	0.0001	4
IRON	300	P01045	NITRITE	P00615	531	0.10394	0.0166	4
IRON	300	P01045	TURBIDITY	P00076	261	0.4834	0.0001	4
IRON	2500	P01045	BARIUM	P01007	12	0.7149	0.009	4
IRON	2500	P01045	CHROMIUM	P01034	66	0.40763	0.0007	4
IRON	2500	P01046	CONDUCTANCE	P00095	53	0.66879	0.0001	4
IRON	2500	P01045	DISSOLVED-SOLID	P70301	50	-0.30359	0.0321	4
IRON	2500	P01046	DISSOLVED-SOLID	P70301	46	0.562	0.0001	4
IRON	2500	P01045	MANGANESE	P01055	82	0.69886	0.0001	4
IRON	2500	P01046	MANGANESE	P01056	54	0.95564	0.0001	4
IRON	2500	P01045	NICKEL	P01067	38	0.9447	0.0001	4
IRON	2500	P01046	NICKEL	P01065	4	0.99142	0.0086	4
MANGANESE	0	P01056	ALKALINITY	P39036	50	0.33754	0.0165	4
MANGANESE	0	P01056	CONDUCTANCE	P00095	3906	0.07699	0.0001	4
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	3786	-0.14473	0.0001	4
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	3714	0.0325	0.0476	4
MANGANESE	0	P01055	NICKEL	P01067	644	0.50931	0.0001	4
MANGANESE	0	P01056	NICKEL	P01065	739	0.95077	0.0001	4
MANGANESE	0	P01055	NITRITE	P00615	695	0.14856	0.0001	4
MANGANESE	0	P01055	PH	P00400	1414	0.06081	0.0222	4
MANGANESE	0	P01056	PH	P00400	3914	-0.04967	0.0019	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01055	TURBIDITY	P00076	453	0.09721	0.0386	4
MANGANESE	0	P01056	TURBIDITY	P00076	1500	0.06244	0.0156	4
MANGANESE	50	P01055	ARSENIC	P01002	511	0.11635	0.0085	4
MANGANESE	50	P01055	BARIUM	P01007	45	0.62755	0.0001	4
MANGANESE	50	P01056	BARIUM	P01005	101	0.63688	0.0001	4
MANGANESE	50	P01055	BERYLLIUM	P01012	56	-0.37929	0.0039	4
MANGANESE	50	P01055	CADMIUM	P01025	39	-0.64209	0.0001	4
MANGANESE	50	P01056	CADMIUM	P01025	30	0.7613	0.0001	4
MANGANESE	50	P01055	CHROMIUM	P01034	508	0.23991	0.0001	4
MANGANESE	50	P01056	CHROMIUM	P01030	26	0.45468	0.0196	4
MANGANESE	50	P01056	CONDUCTANCE	P00095	1186	0.22435	0.0001	4
MANGANESE	50	P01055	CYANIDE	P00720	6	0.89291	0.0166	4
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	817	-0.07793	0.0259	4
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	1139	-0.1833	0.0001	4
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	1105	0.17239	0.0001	4
MANGANESE	50	P01056	HARDNESS	P00900	1140	0.10745	0.0003	4
MANGANESE	50	P01055	IRON	P01045	858	0.54895	0.0001	4
MANGANESE	50	P01055	IRON	P01046	415	0.18312	0.0002	4
MANGANESE	50	P01056	IRON	P01046	1200	0.7998	0.0001	4
MANGANESE	50	P01055	NICKEL	P01067	410	0.52433	0.0001	4
MANGANESE	50	P01056	NICKEL	P01065	106	0.96552	0.0001	4
MANGANESE	50	P01056	NICKEL	P01067	4	0.98407	0.0159	4
MERCURY	0	P71900	DISSOLVED-OXYGE	P00300	958	0.10946	0.0007	4
MERCURY	0	P71900	DISSOLVED-SOLID	P70301	794	0.07869	0.0266	4
MERCURY	0	P71890	HARDNESS	P00900	107	-0.2291	0.0176	4
MERCURY	0	P71900	NICKEL	P01067	1106	0.44729	0.0001	4
MERCURY	0	P71900	PH	P00400	1108	0.11796	0.0001	4
MERCURY	0	P71900	SELENIUM	P01147	1023	0.73344	0.0001	4
NICKEL	0	P01065	CONDUCTANCE	P00095	763	0.17199	0.0001	4
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	905	0.06855	0.0392	4
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	708	0.13019	0.0005	4
NICKEL	0	P01065	HARDNESS	P00900	733	0.09057	0.0142	4
NICKEL	0	P01065	NITRITE	P00613	768	0.09645	0.0075	4
NICKEL	0	P01065	NITRITE	P00615	126	0.4318	0.0001	4
NICKEL	0	P01067	NITRITE	P00613	476	0.1565	0.0006	4
NICKEL	0	P01067	NITRITE	P00615	454	0.40682	0.0001	4
NICKEL	0	P01067	SELENIUM	P01147	959	0.23123	0.0001	4
NICKEL	0	P01065	TURBIDITY	P00076	745	0.1639	0.0001	4
NICKEL	0	P01067	TURBIDITY	P00076	247	0.71709	0.0001	4
NICKEL	100	P01067	CHROMIUM	P01034	11	0.8404	0.0012	4
NITRATE	0	P00618	ALKALINITY	P39036	24	0.56883	0.0037	4
NITRATE	0	P00618	BERYLLIUM	P01010	12	-0.92758	0.0001	4
NITRATE	0	P00618	CADMIUM	P01027	283	-0.1242	0.0368	4
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	1844	0.08926	0.0001	4
NITRATE	0	P00618	HARDNESS	P00900	1937	0.06668	0.0033	4
NITRATE	0	P00618	NITRITE	P00613	2218	0.26826	0.0001	4
NITRATE	0	P00618	NITRITE	P00615	284	0.24722	0.0001	4
NITRATE	0	P00618	PH	P00400	2083	0.08055	0.0002	4
NITRATE	0	P00618	SELENIUM	P01147	284	-0.12113	0.0414	4
NITRATE	0	P00618	THALLIUM	P01059	14	0.57163	0.0327	4
NITRITE	0	P00615	CONDUCTANCE	P00095	4154	-0.04098	0.0083	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	4842	-0.04756	0.0009	4
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	4205	0.05645	0.0003	4
NITRITE	0	P00613	HARDNESS	P00900	4450	0.11835	0.0001	4
NITRITE	0	P00613	PH	P00400	5006	0.07748	0.0001	4
NITRITE	0	P00613	SELENIUM	P01147	559	0.35937	0.0001	4
NITRITE	0	P00615	SELENIUM	P01147	372	0.26295	0.0001	4
NITRITE	0	P00613	THALLIUM	P01059	13	0.57014	0.0419	4
NITRITE	0	P00615	THALLIUM	P01059	44	0.64533	0.0001	4
NITRITE	0	P00613	TURBIDITY	P00076	2005	0.06122	0.0061	4
NITRITE	0	P00615	TURBIDITY	P00076	1000	0.06647	0.0356	4
PH	0	P00400	ALKALINITY	P39036	66	0.69599	0.0001	4
PH	0	P00400	CONDUCTANCE	P00095	15540	0.16976	0.0001	4
PH	0	P00400	DISSOLVED-OXYGE	P00300	15036	0.12808	0.0001	4
RADON	0	P76002	CONDUCTANCE	P00095	4	0.99998	0.0001	4
RADON	0	P82303	CONDUCTANCE	P00095	4	0.99424	0.0058	4
RADON	0	P76002	DISSOLVED-OXYGE	P00300	4	-0.98308	0.0169	4
RADON	0	P82303	DISSOLVED-OXYGE	P00300	4	-0.98133	0.0187	4
RADON	0	P76002	DISSOLVED-SOLID	P70301	4	0.99924	0.0008	4
RADON	0	P82303	DISSOLVED-SOLID	P70301	4	0.98952	0.0105	4
RADON	0	P76002	HARDNESS	P00900	4	0.99998	0.0001	4
RADON	0	P82303	HARDNESS	P00900	4	0.99401	0.006	4
RADON	0	P76002	IRON	P01046	4	-0.99988	0.0001	4
RADON	0	P82303	IRON	P01046	4	-0.99524	0.0048	4
RADON	0	P76002	MANGANESE	P01056	4	-1	0.0001	4
RADON	0	P82303	MANGANESE	P01056	4	-0.99368	0.0063	4
RADON	0	P76002	PH	P00400	4	0.99908	0.0009	4
RADON	0	P82303	PH	P00400	4	0.99524	0.0048	4
SELENIUM	0	P01145	CONDUCTANCE	P00095	820	0.13737	0.0001	4
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	813	-0.11891	0.0007	4
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	918	0.10413	0.0016	4
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	762	0.17155	0.0001	4
SELENIUM	0	P01145	HARDNESS	P00900	795	0.11542	0.0011	4
SELENIUM	0	P01147	THALLIUM	P01059	87	0.82065	0.0001	4
SULFATE	0	P00945	BARIUM	P01005	704	0.26609	0.0001	4
SULFATE	0	P00945	BARIUM	P01007	51	0.46298	0.0006	4
SULFATE	0	P00945	CADMIUM	P01025	126	0.43591	0.0001	4
SULFATE	0	P00945	CHROMIUM	P01030	117	0.49343	0.0001	4
SULFATE	0	P00945	CONDUCTANCE	P00095	5749	0.88464	0.0001	4
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	5391	-0.04731	0.0005	4
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	5408	0.88659	0.0001	4
SULFATE	0	P00945	HARDNESS	P00900	5663	0.93925	0.0001	4
SULFATE	0	P00945	IRON	P01045	1193	-0.07119	0.0139	4
SULFATE	0	P00945	IRON	P01046	3897	-0.04711	0.0033	4
SULFATE	0	P00945	MANGANESE	P01055	1093	0.08699	0.004	4
SULFATE	0	P00945	NITRATE	P00618	1948	0.19034	0.0001	4
SULFATE	0	P00945	NITRITE	P00613	4462	0.07776	0.0001	4
SULFATE	0	P00945	PH	P00400	5676	0.10356	0.0001	4
SULFATE	0	P00945	RADON	P76002	4	1	0.0001	4
SULFATE	0	P00945	RADON	P82303	4	0.99368	0.0063	4
SULFATE	0	P00945	SELENIUM	P01145	793	0.20971	0.0001	4
SULFATE	0	P00945	THALLIUM	P01059	76	0.33139	0.0035	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	BERYLLIUM	P01012	44	-0.53736	0.0002	4
SULFATE	25	P00945	CONDUCTANCE	P00095	1050	0.90533	0.0001	4
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	924	-0.10365	0.0016	4
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1015	0.91674	0.0001	4
SULFATE	25	P00945	HARDNESS	P00900	1052	0.96762	0.0001	4
SULFATE	25	P00945	IRON	P01046	578	-0.08975	0.031	4
SULFATE	25	P00945	SELENIUM	P01145	192	0.2326	0.0012	4
SULFATE	120	P00945	CONDUCTANCE	P00095	148	0.95231	0.0001	4
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	113	-0.43181	0.0001	4
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	122	0.97815	0.0001	4
SULFATE	120	P00945	HARDNESS	P00900	135	0.99003	0.0001	4
SULFATE	120	P00945	IRON	P01046	51	0.34006	0.0146	4
SULFATE	150	P00945	ARSENIC	P01002	18	0.49486	0.0368	4
SULFATE	150	P00945	BERYLLIUM	P01010	5	-0.98917	0.0014	4
SULFATE	150	P00945	CONDUCTANCE	P00095	90	0.95319	0.0001	4
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	67	-0.42297	0.0004	4
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	69	0.98453	0.0001	4
SULFATE	150	P00945	HARDNESS	P00900	81	0.99247	0.0001	4
SULFATE	150	P00945	IRON	P01046	24	0.46077	0.0235	4
SULFATE	150	P00945	PH	P00400	84	0.22385	0.0407	4
SULFATE	150	P00945	TURBIDITY	P00076	29	0.39633	0.0333	4
SULFATE	250	P00945	ARSENIC	P01000	3	1	0.0001	4
SULFATE	250	P00945	CONDUCTANCE	P00095	31	0.93461	0.0001	4
SULFATE	250	P00945	DISSOLVED-OXYGE	P00300	21	-0.55072	0.0097	4
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	23	0.98775	0.0001	4
SULFATE	250	P00945	HARDNESS	P00900	33	0.99185	0.0001	4
SULFATE	250	P00945	NICKEL	P01067	10	-0.65959	0.038	4
SULFATE	500	P00945	CONDUCTANCE	P00095	14	0.65986	0.0102	4
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	7	0.99596	0.0001	4
SULFATE	500	P00945	HARDNESS	P00900	15	0.97785	0.0001	4
SULFATE	500	P00945	PH	P00400	14	0.5841	0.0283	4
THALLIUM	0	P01059	CONDUCTANCE	P00095	76	-0.34536	0.0022	4
THALLIUM	0	P01059	DISSOLVED-OXYGE	P00300	33	0.43451	0.0115	4
THALLIUM	0	P01059	DISSOLVED-SOLID	P70301	76	-0.6043	0.0001	4
THALLIUM	0	P01059	HARDNESS	P00900	76	-0.61427	0.0001	4
THALLIUM	2	P01059	ANTIMONY	P01097	26	0.86638	0.0001	4
THALLIUM	2	P01059	ARSENIC	P01002	69	0.75479	0.0001	4
THALLIUM	2	P01059	BARIUM	P01007	22	0.97087	0.0001	4
THALLIUM	2	P01059	BERYLLIUM	P01012	68	0.29549	0.0144	4
THALLIUM	2	P01059	CHROMIUM	P01034	69	0.33192	0.0053	4
THALLIUM	2	P01059	CONDUCTANCE	P00095	63	-0.35529	0.0043	4
THALLIUM	2	P01059	DISSOLVED-SOLID	P70301	66	-0.58325	0.0001	4
THALLIUM	2	P01059	HARDNESS	P00900	66	-0.57582	0.0001	4
THALLIUM	2	P01059	NITRATE	P00618	14	0.57163	0.0327	4
THALLIUM	2	P01059	NITRITE	P00613	13	0.57014	0.0419	4
THALLIUM	2	P01059	NITRITE	P00615	35	0.63576	0.0001	4
THALLIUM	2	P01059	SELENIUM	P01147	69	0.97208	0.0001	4
THALLIUM	2	P01059	SULFATE	P00945	66	0.29769	0.0152	4
TURBIDITY	0	P00076	CONDUCTANCE	P00095	6507	-0.04634	0.0002	4
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	27	0.40496	0.0361	4
WELL-DEPTH	0	P72008	PH	P00400	18	0.61658	0.0064	4

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ALKALINITY	0	P39036	CONDUCTANCE	P00095	895	0.60478	0.0001	5
ALKALINITY	0	P39036	TURBIDITY	P00076	78	-0.45674	0.0001	5
ANTIMONY	0	P01095	BARIUM	P01005	41	-0.5893	0.0001	5
ANTIMONY	0	P01095	BERYLLIUM	P01010	41	0.68546	0.0001	5
ANTIMONY	0	P01095	CADMIUM	P01025	41	0.53133	0.0004	5
ANTIMONY	0	P01095	CHROMIUM	P01030	41	0.62083	0.0001	5
ANTIMONY	0	P01097	CHROMIUM	P01034	5	0.9769	0.0042	5
ANTIMONY	0	P01095	CONDUCTANCE	P00095	43	0.74729	0.0001	5
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	40	0.55376	0.0002	5
ANTIMONY	0	P01095	HARDNESS	P00900	43	0.74991	0.0001	5
ANTIMONY	0	P01095	IRON	P01046	41	0.78797	0.0001	5
ANTIMONY	0	P01095	MANGANESE	P01056	41	0.8416	0.0001	5
ANTIMONY	0	P01097	MERCURY	P71900	5	0.98612	0.002	5
ANTIMONY	0	P01095	NICKEL	P01065	43	0.92277	0.0001	5
ANTIMONY	0	P01097	NICKEL	P01067	5	0.88388	0.0467	5
ANTIMONY	0	P01095	NITRITE	P00613	43	-0.32687	0.0324	5
ANTIMONY	0	P01095	PH	P00400	43	-0.91758	0.0001	5
ANTIMONY	6	P01095	ARSENIC	P01000	7	-0.9963	0.0001	5
ANTIMONY	6	P01095	NITRITE	P00613	7	-0.9963	0.0001	5
ANTIMONY	6	P01095	PH	P00400	7	-0.81743	0.0247	5
ARSENIC	0	P01000	BARIUM	P01005	76	0.57028	0.0001	5
ARSENIC	0	P01002	BARIUM	P01005	1313	-0.09974	0.0003	5
ARSENIC	0	P01002	CHROMIUM	P01030	1314	0.06383	0.0207	5
ARSENIC	0	P01002	CONDUCTANCE	P00095	1351	0.05947	0.0288	5
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	78	-0.37931	0.0006	5
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	1343	-0.21606	0.0001	5
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	74	0.38043	0.0008	5
ARSENIC	0	P01000	IRON	P01046	77	-0.23225	0.0421	5
ARSENIC	0	P01002	MANGANESE	P01055	1342	-0.09762	0.0003	5
ARSENIC	0	P01002	MANGANESE	P01056	1323	-0.10054	0.0002	5
ARSENIC	0	P01002	MERCURY	P71900	1300	0.0818	0.0032	5
ARSENIC	0	P01002	NICKEL	P01065	1305	-0.09139	0.0009	5
ARSENIC	0	P01002	NICKEL	P01067	1343	-0.09952	0.0003	5
ARSENIC	0	P01000	NITRITE	P00613	61	0.30607	0.0164	5
ARSENIC	0	P01002	PH	P00400	1346	0.08768	0.0013	5
ARSENIC	0	P01000	SELENIUM	P01145	78	0.46497	0.0001	5
ARSENIC	0	P01002	SELENIUM	P01147	1256	0.73061	0.0001	5
ARSENIC	0	P01002	SULFATE	P00945	1327	-0.10568	0.0001	5
ARSENIC	0	P01002	TURBIDITY	P00076	1306	0.26281	0.0001	5
ARSENIC	2	P01002	BERYLLIUM	P01010	838	0.12456	0.0003	5
ARSENIC	2	P01002	CADMIUM	P01025	838	0.15568	0.0001	5
ARSENIC	2	P01002	CADMIUM	P01027	858	0.20268	0.0001	5
ARSENIC	2	P01000	CHROMIUM	P01030	24	-0.44133	0.0309	5
ARSENIC	2	P01002	CHROMIUM	P01030	838	0.12022	0.0005	5
ARSENIC	2	P01002	CHROMIUM	P01034	858	0.07009	0.0401	5
ARSENIC	2	P01002	DISSOLVED-OXYGE	P00300	860	-0.1037	0.0023	5
ARSENIC	2	P01000	MANGANESE	P01056	25	0.46724	0.0185	5
ARSENIC	2	P01000	MERCURY	P71890	3	1	0.0001	5
ARSENIC	2	P01002	MERCURY	P71900	844	0.06806	0.0481	5
ARSENIC	2	P01002	NICKEL	P01065	833	-0.55532	0.0001	5
ARSENIC	2	P01002	NICKEL	P01067	858	-0.44389	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01002	SELENIUM	P01147	839	0.63309	0.0001	5
ARSENIC	2	P01002	SULFATE	P00945	849	-0.06949	0.0429	5
ARSENIC	2	P01002	TURBIDITY	P00076	836	0.20154	0.0001	5
ARSENIC	5	P01002	BARIUM	P01005	305	0.16582	0.0037	5
ARSENIC	5	P01002	BARIUM	P01007	309	0.2327	0.0001	5
ARSENIC	5	P01002	CONDUCTANCE	P00095	314	-0.12583	0.0258	5
ARSENIC	5	P01002	CYANIDE	P00720	308	0.46007	0.0001	5
ARSENIC	5	P01002	DISSOLVED-SOLID	P70301	287	-0.13684	0.0204	5
ARSENIC	5	P01002	HARDNESS	P00900	309	-0.19362	0.0006	5
ARSENIC	5	P01002	IRON	P01045	322	0.3796	0.0001	5
ARSENIC	5	P01002	IRON	P01046	306	0.24156	0.0001	5
ARSENIC	5	P01002	MANGANESE	P01055	309	0.4289	0.0001	5
ARSENIC	5	P01002	MANGANESE	P01056	306	0.37992	0.0001	5
ARSENIC	5	P01002	NICKEL	P01065	305	0.47462	0.0001	5
ARSENIC	5	P01002	NICKEL	P01067	309	0.52445	0.0001	5
ARSENIC	5	P01002	PH	P00400	317	-0.16119	0.004	5
ARSENIC	5	P01002	SELENIUM	P01147	320	-0.37527	0.0001	5
ARSENIC	5	P01002	SULFATE	P00945	319	0.26978	0.0001	5
ARSENIC	5	P01002	TURBIDITY	P00076	308	0.26705	0.0001	5
ARSENIC	10	P01002	BERYLLIUM	P01012	3	-1	0.0001	5
ARSENIC	10	P01002	CYANIDE	P00720	3	1	0.0001	5
BARIUM	0	P01005	BERYLLIUM	P01010	6531	-0.05842	0.0001	5
BARIUM	0	P01005	BERYLLIUM	P01012	6401	-0.05616	0.0001	5
BARIUM	0	P01007	BERYLLIUM	P01010	6421	-0.03675	0.0032	5
BARIUM	0	P01007	BERYLLIUM	P01012	6471	0.20383	0.0001	5
BARIUM	0	P01005	CADMIUM	P01025	6545	-0.05199	0.0001	5
BARIUM	0	P01005	CADMIUM	P01027	6420	-0.05151	0.0001	5
BARIUM	0	P01007	CADMIUM	P01025	6418	-0.03531	0.0047	5
BARIUM	0	P01007	CADMIUM	P01027	6473	0.05245	0.0001	5
BARIUM	0	P01005	CHROMIUM	P01030	6497	-0.0403	0.0012	5
BARIUM	0	P01005	CHROMIUM	P01034	6420	-0.03348	0.0073	5
BARIUM	0	P01007	CHROMIUM	P01034	6473	0.30351	0.0001	5
BARIUM	0	P01005	CONDUCTANCE	P00095	7164	0.03098	0.0087	5
BARIUM	0	P01007	CONDUCTANCE	P00095	6445	-0.14553	0.0001	5
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	7122	-0.04001	0.0007	5
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	6411	-0.03177	0.011	5
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	2265	0.06921	0.001	5
BARIUM	0	P01007	DISSOLVED-SOLID	P70301	1666	-0.12139	0.0001	5
BARIUM	0	P01005	HARDNESS	P00900	7216	0.1595	0.0001	5
BARIUM	0	P01007	HARDNESS	P00900	6468	-0.11323	0.0001	5
BARIUM	0	P01005	IRON	P01045	6420	-0.05025	0.0001	5
BARIUM	0	P01005	IRON	P01046	7211	-0.04586	0.0001	5
BARIUM	0	P01007	IRON	P01045	6473	0.17549	0.0001	5
BARIUM	0	P01007	IRON	P01046	6413	-0.03018	0.0156	5
BARIUM	0	P01007	MANGANESE	P01055	6472	0.07485	0.0001	5
BARIUM	0	P01005	NICKEL	P01065	6962	-0.03522	0.0033	5
BARIUM	0	P01005	NICKEL	P01067	6420	-0.05928	0.0001	5
BARIUM	0	P01007	NICKEL	P01065	6378	-0.03481	0.0054	5
BARIUM	0	P01007	NICKEL	P01067	6473	0.03488	0.005	5
BARIUM	0	P01005	NITRITE	P00613	601	0.28004	0.0001	5
BARIUM	0	P01005	NITRITE	P00615	65	0.53994	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	PH	P00400	7150	0.06764	0.0001	5
BARIUM	0	P01007	PH	P00400	6426	-0.0677	0.0001	5
BARIUM	0	P01005	SELENIUM	P01145	577	0.26838	0.0001	5
BARIUM	0	P01005	SELENIUM	P01147	1241	-0.18209	0.0001	5
BARIUM	0	P01007	SELENIUM	P01147	1253	-0.10887	0.0001	5
BARIUM	0	P01007	TURBIDITY	P00076	6379	0.23747	0.0001	5
BERYLLIUM	0	P01010	ALKALINITY	P39036	31	-0.45913	0.0094	5
BERYLLIUM	0	P01010	CADMIUM	P01025	6550	0.9624	0.0001	5
BERYLLIUM	0	P01010	CADMIUM	P01027	6422	0.93923	0.0001	5
BERYLLIUM	0	P01012	CADMIUM	P01025	6420	0.84587	0.0001	5
BERYLLIUM	0	P01012	CADMIUM	P01027	6473	0.89815	0.0001	5
BERYLLIUM	0	P01010	CHROMIUM	P01030	6501	0.84466	0.0001	5
BERYLLIUM	0	P01010	CHROMIUM	P01034	6422	0.23678	0.0001	5
BERYLLIUM	0	P01012	CHROMIUM	P01030	6415	0.7418	0.0001	5
BERYLLIUM	0	P01012	CHROMIUM	P01034	6473	0.33374	0.0001	5
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	6506	0.22513	0.0001	5
BERYLLIUM	0	P01012	CONDUCTANCE	P00095	6445	0.18517	0.0001	5
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	6466	-0.03138	0.0116	5
BERYLLIUM	0	P01010	HARDNESS	P00900	6556	0.16575	0.0001	5
BERYLLIUM	0	P01012	HARDNESS	P00900	6469	0.13465	0.0001	5
BERYLLIUM	0	P01010	IRON	P01045	6422	0.90346	0.0001	5
BERYLLIUM	0	P01010	IRON	P01046	6543	0.95271	0.0001	5
BERYLLIUM	0	P01012	IRON	P01045	6473	0.80962	0.0001	5
BERYLLIUM	0	P01012	IRON	P01046	6414	0.84589	0.0001	5
BERYLLIUM	0	P01010	MANGANESE	P01055	6426	0.87709	0.0001	5
BERYLLIUM	0	P01010	MANGANESE	P01056	6539	0.86484	0.0001	5
BERYLLIUM	0	P01012	MANGANESE	P01055	6472	0.79482	0.0001	5
BERYLLIUM	0	P01012	MANGANESE	P01056	6410	0.80137	0.0001	5
BERYLLIUM	0	P01010	MERCURY	P71900	4613	0.0328	0.0259	5
BERYLLIUM	0	P01012	MERCURY	P71900	4655	0.03121	0.0332	5
BERYLLIUM	0	P01010	NICKEL	P01065	6465	0.95428	0.0001	5
BERYLLIUM	0	P01010	NICKEL	P01067	6422	0.95059	0.0001	5
BERYLLIUM	0	P01012	NICKEL	P01065	6380	0.84902	0.0001	5
BERYLLIUM	0	P01012	NICKEL	P01067	6473	0.87088	0.0001	5
BERYLLIUM	0	P01010	PH	P00400	6487	-0.29546	0.0001	5
BERYLLIUM	0	P01012	PH	P00400	6426	-0.2509	0.0001	5
BERYLLIUM	0	P01012	TURBIDITY	P00076	6380	0.03248	0.0095	5
BERYLLIUM	4	P01010	ARSENIC	P01002	13	-0.97929	0.0001	5
BERYLLIUM	4	P01012	ARSENIC	P01002	20	-0.60188	0.005	5
BERYLLIUM	4	P01010	BARIUM	P01005	37	-0.4935	0.0019	5
BERYLLIUM	4	P01010	BARIUM	P01007	38	-0.57592	0.0002	5
BERYLLIUM	4	P01012	BARIUM	P01005	45	-0.43993	0.0025	5
BERYLLIUM	4	P01012	BARIUM	P01007	51	0.28266	0.0445	5
BERYLLIUM	4	P01010	CADMIUM	P01025	38	0.96086	0.0001	5
BERYLLIUM	4	P01010	CADMIUM	P01027	38	0.95328	0.0001	5
BERYLLIUM	4	P01012	CADMIUM	P01025	45	0.7805	0.0001	5
BERYLLIUM	4	P01012	CADMIUM	P01027	51	0.87197	0.0001	5
BERYLLIUM	4	P01010	CHROMIUM	P01030	36	0.93713	0.0001	5
BERYLLIUM	4	P01010	CHROMIUM	P01034	38	0.46211	0.0035	5
BERYLLIUM	4	P01012	CHROMIUM	P01030	44	0.75757	0.0001	5
BERYLLIUM	4	P01012	CHROMIUM	P01034	51	0.54309	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	22	0.94097	0.0001	5
BERYLLIUM	4	P01012	CONDUCTANCE	P00095	35	0.76635	0.0001	5
BERYLLIUM	4	P01010	CYANIDE	P00720	27	0.76808	0.0001	5
BERYLLIUM	4	P01012	CYANIDE	P00720	31	0.64375	0.0001	5
BERYLLIUM	4	P01010	DISSOLVED-OXYGE	P00300	22	-0.76369	0.0001	5
BERYLLIUM	4	P01012	DISSOLVED-OXYGE	P00300	35	-0.43633	0.0088	5
BERYLLIUM	4	P01010	HARDNESS	P00900	38	0.5841	0.0001	5
BERYLLIUM	4	P01012	HARDNESS	P00900	51	0.49895	0.0002	5
BERYLLIUM	4	P01010	IRON	P01045	38	0.98717	0.0001	5
BERYLLIUM	4	P01010	IRON	P01046	38	0.98974	0.0001	5
BERYLLIUM	4	P01012	IRON	P01045	51	0.81914	0.0001	5
BERYLLIUM	4	P01012	IRON	P01046	46	0.83094	0.0001	5
BERYLLIUM	4	P01010	MANGANESE	P01055	38	0.99048	0.0001	5
BERYLLIUM	4	P01010	MANGANESE	P01056	37	0.98962	0.0001	5
BERYLLIUM	4	P01012	MANGANESE	P01055	51	0.81907	0.0001	5
BERYLLIUM	4	P01012	MANGANESE.	P01056	45	0.8172	0.0001	5
BERYLLIUM	4	P01010	NICKEL	P01065	37	0.99365	0.0001	5
BERYLLIUM	4	P01010	NICKEL	P01067	38	0.99388	0.0001	5
BERYLLIUM	4	P01012	NICKEL	P01065	45	0.82478	0.0001	5
BERYLLIUM	4	P01012	NICKEL	P01067	51	0.87177	0.0001	5
BERYLLIUM	4	P01010	PH	P00400	37	-0.77971	0.0001	5
BERYLLIUM	4	P01012	PH	P00400	50	-0.56928	0.0001	5
BERYLLIUM	4	P01010	SELENIUM	P01147	11	-1	0.0001	5
BERYLLIUM	4	P01012	SELENIUM	P01147	18	-0.47707	0.0453	5
BERYLLIUM	4	P01010	SULFATE	P00945	32	0.89144	0.0001	5
BERYLLIUM	4	P01012	SULFATE	P00945	40	0.71902	0.0001	5
CADMIUM	0	P01025	CHROMIUM	P01030	6553	0.84001	0.0001	5
CADMIUM	0	P01025	CHROMIUM	P01034	6437	0.23658	0.0001	5
CADMIUM	0	P01027	CHROMIUM	P01030	6432	0.82233	0.0001	5
CADMIUM	0	P01027	CHROMIUM	P01034	6501	0.27841	0.0001	5
CADMIUM	0	P01025	CONDUCTANCE	P00095	6527	0.22613	0.0001	5
CADMIUM	0	P01027	CONDUCTANCE	P00095	6473	0.22051	0.0001	5
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	6486	-0.02823	0.023	5
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	6439	-0.02589	0.0377	5
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	1780	0.05559	0.019	5
CADMIUM	0	P01025	HARDNESS	P00900	6811	0.17922	0.0001	5
CADMIUM	0	P01027	HARDNESS	P00900	6496	0.15168	0.0001	5
CADMIUM	0	P01025	IRON	P01045	6437	0.8879	0.0001	5
CADMIUM	0	P01025	IRON	P01046	6563	0.93558	0.0001	5
CADMIUM	0	P01027	IRON	P01045	6501	0.8747	0.0001	5
CADMIUM	0	P01027	IRON	P01046	6441	0.92015	0.0001	5
CADMIUM	0	P01025	MANGANESE	P01055	6441	0.86051	0.0001	5
CADMIUM	0	P01025	MANGANESE	P01056	6559	0.84354	0.0001	5
CADMIUM	0	P01027	MANGANESE	P01055	6500	0.87781	0.0001	5
CADMIUM	0	P01027	MANGANESE	P01056	6437	0.88082	0.0001	5
CADMIUM	0	P01025	NICKEL	P01065	6480	0.93936	0.0001	5
CADMIUM	0	P01025	NICKEL	P01067	6437	0.93862	0.0001	5
CADMIUM	0	P01027	NICKEL	P01065	6397	0.93086	0.0001	5
CADMIUM	0	P01027	NICKEL	P01067	6501	0.93749	0.0001	5
CADMIUM	0	P01025	PH	P00400	6506	-0.27697	0.0001	5
CADMIUM	0	P01027	PH	P00400	6454	-0.27011	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	0	P01025	SELENIUM	P01147	1244	0.08361	0.0032	5
CADMIUM	5	P01025	BARIUM	P01005	186	-0.2436	0.0008	5
CADMIUM	5	P01027	BARIUM	P01005	206	-0.23191	0.0008	5
CADMIUM	5	P01025	BERYLLIUM	P01010	188	0.96477	0.0001	5
CADMIUM	5	P01025	BERYLLIUM	P01012	189	0.96474	0.0001	5
CADMIUM	5	P01027	BERYLLIUM	P01010	209	0.93727	0.0001	5
CADMIUM	5	P01027	BERYLLIUM	P01012	210	0.91313	0.0001	5
CADMIUM	5	P01025	CHROMIUM	P01030	187	0.93847	0.0001	5
CADMIUM	5	P01025	CHROMIUM	P01034	189	0.25469	0.0004	5
CADMIUM	5	P01027	CHROMIUM	P01030	207	0.91439	0.0001	5
CADMIUM	5	P01027	CHROMIUM	P01034	210	0.28508	0.0001	5
CADMIUM	5	P01025	CONDUCTANCE	P00095	173	0.90631	0.0001	5
CADMIUM	5	P01027	CONDUCTANCE	P00095	194	0.88551	0.0001	5
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	172	-0.553	0.0001	5
CADMIUM	5	P01027	DISSOLVED-OXYGE	P00300	193	-0.49851	0.0001	5
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	67	0.32565	0.0072	5
CADMIUM	5	P01025	HARDNESS	P00900	189	0.59171	0.0001	5
CADMIUM	5	P01027	HARDNESS	P00900	210	0.57011	0.0001	5
CADMIUM	5	P01025	IRON	P01045	189	0.94096	0.0001	5
CADMIUM	5	P01025	IRON	P01046	189	0.94795	0.0001	5
CADMIUM	5	P01027	IRON	P01045	210	0.91781	0.0001	5
CADMIUM	5	P01027	IRON	P01046	209	0.92636	0.0001	5
CADMIUM	5	P01025	MANGANESE	P01055	189	0.9566	0.0001	5
CADMIUM	5	P01025	MANGANESE	P01056	188	0.95775	0.0001	5
CADMIUM	5	P01027	MANGANESE	P01055	210	0.9335	0.0001	5
CADMIUM	5	P01027	MANGANESE	P01056	208	0.93219	0.0001	5
CADMIUM	5	P01025	NICKEL	P01065	182	0.96414	0.0001	5
CADMIUM	5	P01025	NICKEL	P01067	189	0.95935	0.0001	5
CADMIUM	5	P01027	NICKEL	P01065	202	0.94057	0.0001	5
CADMIUM	5	P01027	NICKEL	P01067	210	0.95026	0.0001	5
CADMIUM	5	P01025	PH	P00400	188	-0.60124	0.0001	5
CADMIUM	5	P01027	PH	P00400	208	-0.54277	0.0001	5
CADMIUM	5	P01025	SULFATE	P00945	148	0.91968	0.0001	5
CADMIUM	5	P01027	SULFATE	P00945	161	0.89274	0.0001	5
CHROMIUM	0	P01030	ALKALINITY	P39036	31	0.3662	0.0428	5
CHROMIUM	0	P01030	CONDUCTANCE	P00095	6477	0.20756	0.0001	5
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	6439	-0.02601	0.0369	5
CHROMIUM	0	P01030	HARDNESS	P00900	6553	0.16718	0.0001	5
CHROMIUM	0	P01032	HARDNESS	P00900	15	-0.76826	0.0008	5
CHROMIUM	0	P01030	IRON	P01045	6432	0.79306	0.0001	5
CHROMIUM	0	P01030	IRON	P01046	6510	0.83571	0.0001	5
CHROMIUM	0	P01034	IRON	P01045	6501	0.30089	0.0001	5
CHROMIUM	0	P01034	IRON	P01046	6441	0.22641	0.0001	5
CHROMIUM	0	P01030	MANGANESE	P01055	6436	0.73956	0.0001	5
CHROMIUM	0	P01030	MANGANESE	P01056	6506	0.73486	0.0001	5
CHROMIUM	0	P01034	MANGANESE	P01055	6500	0.23348	0.0001	5
CHROMIUM	0	P01034	MANGANESE	P01056	6437	0.20119	0.0001	5
CHROMIUM	0	P01030	NICKEL	P01065	6476	0.82198	0.0001	5
CHROMIUM	0	P01030	NICKEL	P01067	6432	0.81159	0.0001	5
CHROMIUM	0	P01034	NICKEL	P01065	6397	0.22061	0.0001	5
CHROMIUM	0	P01034	NICKEL	P01067	6501	0.31237	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01030	PH	P00400	6457	-0.24527	0.0001	5
CHROMIUM	0	P01034	PH	P00400	6454	-0.10316	0.0001	5
CHROMIUM	0	P01030	SELENIUM	P01147	1243	0.1081	0.0001	5
CHROMIUM	0	P01034	TURBIDITY	P00076	6395	0.117	0.0001	5
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	7605	-0.02599	0.0234	5
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	864	0.74384	0.0001	5
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	4586	0.89879	0.0001	5
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	4647	0.83698	0.0001	5
DISSOLVED-SOLID	0	P70301	PH	P00400	4609	0.04878	0.0009	5
DISSOLVED-SOLID	0	P70301	TURBIDITY	P00076	2303	-0.08925	0.0001	5
DISSOLVED-SOLID	500	P70301	ARSENIC	P01002	287	-0.20837	0.0004	5
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	450	-0.10311	0.0287	5
DISSOLVED-SOLID	500	P70301	BARIUM	P01007	417	-0.12213	0.0126	5
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	620	0.81535	0.0001	5
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	626	0.78608	0.0001	5
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	420	0.25301	0.0001	5
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	620	0.27112	0.0001	5
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	206	0.14432	0.0385	5
DISSOLVED-SOLID	500	P70301	PH	P00400	621	-0.17796	0.0001	5
DISSOLVED-SOLID	500	P70301	RADIUM-226	P09511	3	0.99844	0.0355	5
DISSOLVED-SOLID	500	P70301	RADIUM-226	P76001	3	0.99844	0.0355	5
DISSOLVED-SOLID	500	P70301	SELENIUM	P01147	268	-0.15605	0.0105	5
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	626	0.88154	0.0001	5
DISSOLVED-SOLID	500	P70301	TURBIDITY	P00076	445	-0.12829	0.0067	5
HARDNESS	0	P00900	ALKALINITY	P39036	867	0.89956	0.0001	5
HARDNESS	0	P00900	CONDUCTANCE	P00095	9847	0.71452	0.0001	5
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	9742	0.02158	0.0332	5
HARDNESS	0	P00900	PH	P00400	9851	0.1095	0.0001	5
HARDNESS	0	P00900	TURBIDITY	P00076	7245	-0.0605	0.0001	5
HARDNESS	300	P00900	ALKALINITY	P39036	217	0.56568	0.0001	5
HARDNESS	300	P00900	ARSENIC	P01002	504	-0.1976	0.0001	5
HARDNESS	300	P00900	BARIUM	P01005	3088	-0.16164	0.0001	5
HARDNESS	300	P00900	BARIUM	P01007	3011	-0.10573	0.0001	5
HARDNESS	300	P00900	BERYLLIUM	P01010	3015	0.18958	0.0001	5
HARDNESS	300	P00900	BERYLLIUM	P01012	3011	0.16114	0.0001	5
HARDNESS	300	P00900	CADMIUM	P01025	3041	0.17284	0.0001	5
HARDNESS	300	P00900	CADMIUM	P01027	3017	0.16977	0.0001	5
HARDNESS	300	P00900	CHROMIUM	P01030	3000	0.19367	0.0001	5
HARDNESS	300	P00900	CHROMIUM	P01034	3017	0.07394	0.0001	5
HARDNESS	300	P00900	CONDUCTANCE	P00095	3795	0.65503	0.0001	5
HARDNESS	300	P00900	CYANIDE	P00720	827	0.07683	0.0271	5
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	1386	0.8782	0.0001	5
HARDNESS	300	P00900	IRON	P01045	3018	0.1787	0.0001	5
HARDNESS	300	P00900	IRON	P01046	3754	0.18083	0.0001	5
HARDNESS	300	P00900	MANGANESE	P01055	3020	0.25902	0.0001	5
HARDNESS	300	P00900	MANGANESE	P01056	3755	0.2843	0.0001	5
HARDNESS	300	P00900	NICKEL	P01065	3066	0.21275	0.0001	5
HARDNESS	300	P00900	NICKEL	P01067	3017	0.18762	0.0001	5
HARDNESS	300	P00900	PH	P00400	3784	-0.23385	0.0001	5
HARDNESS	300	P00900	SELENIUM	P01147	490	-0.14503	0.0013	5
HARDNESS	300	P00900	SULFATE	P00945	2886	0.85443	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	0	P01046	ALKALINITY	P39036	854	-0.38766	0.0001	5
IRON	0	P01045	CONDUCTANCE	P00095	6590	0.17422	0.0001	5
IRON	0	P01046	CONDUCTANCE	P00095	9542	0.21557	0.0001	5
IRON	0	P01045	DISSOLVED-OXYGE	P00300	6557	-0.04116	0.0009	5
IRON	0	P01045	DISSOLVED-SOLID	P70301	1749	-0.15131	0.0001	5
IRON	0	P01046	DISSOLVED-SOLID	P70301	4546	-0.0385	0.0094	5
IRON	0	P01047	DISSOLVED-SOLID	P70301	3	0.99939	0.0222	5
IRON	0	P01045	HARDNESS	P00900	6553	0.09388	0.0001	5
IRON	0	P01046	HARDNESS	P00900	9518	0.14414	0.0001	5
IRON	0	P01045	MANGANESE	P01055	6600	0.83552	0.0001	5
IRON	0	P01045	MANGANESE	P01056	6537	0.80145	0.0001	5
IRON	0	P01046	MANGANESE	P01055	6545	0.81422	0.0001	5
IRON	0	P01046	MANGANESE	P01056	9637	0.7957	0.0001	5
IRON	0	P01045	NICKEL	P01065	6397	0.92904	0.0001	5
IRON	0	P01045	NICKEL	P01067	6501	0.93999	0.0001	5
IRON	0	P01046	NICKEL	P01065	6975	0.96612	0.0001	5
IRON	0	P01046	NICKEL	P01067	6441	0.97401	0.0001	5
IRON	0	P01046	NITRITE	P00613	2830	-0.1243	0.0001	5
IRON	0	P01046	NITRITE	P00615	65	-0.25477	0.0405	5
IRON	0	P01045	PH	P00400	6573	-0.3058	0.0001	5
IRON	0	P01046	PH	P00400	9554	-0.25543	0.0001	5
IRON	0	P01045	SELENIUM	P01147	1279	-0.11524	0.0001	5
IRON	0	P01046	SELENIUM	P01145	578	-0.08926	0.0319	5
IRON	0	P01045	TURBIDITY	P00076	6395	0.1171	0.0001	5
IRON	300	P01045	BARIUM	P01005	5632	-0.05814	0.0001	5
IRON	300	P01045	BARIUM	P01007	5682	0.17148	0.0001	5
IRON	300	P01046	BARIUM	P01007	277	-0.13092	0.0294	5
IRON	300	P01045	BERYLLIUM	P01010	5639	0.90536	0.0001	5
IRON	300	P01045	BERYLLIUM	P01012	5683	0.81064	0.0001	5
IRON	300	P01046	BERYLLIUM	P01010	282	0.98239	0.0001	5
IRON	300	P01046	BERYLLIUM	P01012	277	0.9834	0.0001	5
IRON	300	P01045	CADMIUM	P01025	5643	0.88995	0.0001	5
IRON	300	P01045	CADMIUM	P01027	5698	0.87625	0.0001	5
IRON	300	P01046	CADMIUM	P01025	283	0.95162	0.0001	5
IRON	300	P01046	CADMIUM	P01027	278	0.94639	0.0001	5
IRON	300	P01045	CHROMIUM	P01030	5641	0.79625	0.0001	5
IRON	300	P01045	CHROMIUM	P01034	5698	0.3	0.0001	5
IRON	300	P01046	CHROMIUM	P01030	284	0.95397	0.0001	5
IRON	300	P01046	CHROMIUM	P01034	278	0.77207	0.0001	5
IRON	300	P01045	CONDUCTANCE	P00095	5755	0.20431	0.0001	5
IRON	300	P01046	CONDUCTANCE	P00095	499	0.73272	0.0001	5
IRON	300	P01045	DISSOLVED-OXYGE	P00300	5727	-0.03621	0.0061	5
IRON	300	P01046	DISSOLVED-OXYGE	P00300	493	-0.22967	0.0001	5
IRON	300	P01045	DISSOLVED-SOLID	P70301	1545	-0.1653	0.0001	5
IRON	300	P01046	DISSOLVED-SOLID	P70301	259	0.33603	0.0001	5
IRON	300	P01045	HARDNESS	P00900	5721	0.12512	0.0001	5
IRON	300	P01046	HARDNESS	P00900	476	0.62422	0.0001	5
IRON	300	P01045	MANGANESE	P01055	5766	0.84419	0.0001	5
IRON	300	P01045	MANGANESE	P01056	5714	0.80992	0.0001	5
IRON	300	P01046	MANGANESE	P01055	313	0.84574	0.0001	5
IRON	300	P01046	MANGANESE	P01056	504	0.82257	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01045	NICKEL	P01065	5608	0.93077	0.0001	5
IRON	300	P01045	NICKEL	P01067	5698	0.94181	0.0001	5
IRON	300	P01046	NICKEL	P01065	341	0.97555	0.0001	5
IRON	300	P01046	NICKEL	P01067	278	0.98697	0.0001	5
IRON	300	P01046	NITRATE	P00618	72	0.2817	0.0165	5
IRON	300	P01046	NITRITE	P00615	9	0.67789	0.0448	5
IRON	300	P01045	PH	P00400	5741	-0.31425	0.0001	5
IRON	300	P01046	PH	P00400	502	-0.41559	0.0001	5
IRON	300	P01045	SELENIUM	P01147	1164	-0.12155	0.0001	5
IRON	300	P01045	SULFATE	P00945	3978	0.45867	0.0001	5
IRON	300	P01046	SULFATE	P00945	433	0.7817	0.0001	5
IRON	300	P01045	TURBIDITY	P00076	5610	0.11385	0.0001	5
IRON	2500	P01045	BARIUM	P01005	1293	-0.10154	0.0003	5
IRON	2500	P01045	BARIUM	P01007	1301	0.13231	0.0001	5
IRON	2500	P01046	BARIUM	P01005	49	-0.46379	0.0008	5
IRON	2500	P01046	BARIUM	P01007	48	-0.43483	0.002	5
IRON	2500	P01045	BERYLLIUM	P01010	1292	0.94165	0.0001	5
IRON	2500	P01045	BERYLLIUM	P01012	1302	0.95629	0.0001	5
IRON	2500	P01046	BERYLLIUM	P01010	47	0.98204	0.0001	5
IRON	2500	P01046	BERYLLIUM	P01012	48	0.98604	0.0001	5
IRON	2500	P01045	CADMIUM	P01025	1292	0.91094	0.0001	5
IRON	2500	P01045	CADMIUM	P01027	1302	0.91104	0.0001	5
IRON	2500	P01046	CADMIUM	P01025	48	0.94199	0.0001	5
IRON	2500	P01046	CADMIUM	P01027	48	0.93597	0.0001	5
IRON	2500	P01045	CHROMIUM	P01030	1294	0.90775	0.0001	5
IRON	2500	P01045	CHROMIUM	P01034	1302	0.68574	0.0001	5
IRON	2500	P01046	CHROMIUM	P01030	48	0.95107	0.0001	5
IRON	2500	P01046	CHROMIUM	P01034	48	0.96707	0.0001	5
IRON	2500	P01045	CONDUCTANCE	P00095	1313	0.58416	0.0001	5
IRON	2500	P01046	CONDUCTANCE	P00095	61	0.85154	0.0001	5
IRON	2500	P01045	DISSOLVED-OXYGE	P00300	1304	-0.15795	0.0001	5
IRON	2500	P01046	DISSOLVED-OXYGE	P00300	60	-0.56258	0.0001	5
IRON	2500	P01045	DISSOLVED-SOLID	P70301	379	-0.15613	0.0023	5
IRON	2500	P01045	HARDNESS	P00900	1302	0.43027	0.0001	5
IRON	2500	P01046	HARDNESS	P00900	49	0.93462	0.0001	5
IRON	2500	P01045	MANGANESE	P01055	1316	0.9211	0.0001	5
IRON	2500	P01045	MANGANESE	P01056	1309	0.89164	0.0001	5
IRON	2500	P01046	MANGANESE	P01055	60	0.92208	0.0001	5
IRON	2500	P01046	MANGANESE	P01056	60	0.92182	0.0001	5
IRON	2500	P01045	NICKEL	P01065	1284	0.94687	0.0001	5
IRON	2500	P01045	NICKEL	P01067	1302	0.96449	0.0001	5
IRON	2500	P01046	NICKEL	P01065	45	0.98631	0.0001	5
IRON	2500	P01046	NICKEL	P01067	48	0.98798	0.0001	5
IRON	2500	P01045	PH	P00400	1313	-0.44925	0.0001	5
IRON	2500	P01046	PH	P00400	61	-0.43126	0.0005	5
IRON	2500	P01045	SULFATE	P00945	886	0.75029	0.0001	5
IRON	2500	P01046	SULFATE	P00945	60	0.84856	0.0001	5
IRON	2500	P01045	TURBIDITY	P00076	1286	0.07689	0.0058	5
MANGANESE	0	P01055	CONDUCTANCE	P00095	6577	0.23871	0.0001	5
MANGANESE	0	P01056	CONDUCTANCE	P00095	9539	0.25413	0.0001	5
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	6541	-0.05802	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	9451	-0.03332	0.0012	5
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	1750	0.19698	0.0001	5
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	4546	0.28701	0.0001	5
MANGANESE	0	P01055	HARDNESS	P00900	6556	0.18682	0.0001	5
MANGANESE	0	P01056	HARDNESS	P00900	9514	0.22096	0.0001	5
MANGANESE	0	P01055	NICKEL	P01065	6401	0.92984	0.0001	5
MANGANESE	0	P01055	NICKEL	P01067	6500	0.9365	0.0001	5
MANGANESE	0	P01056	NICKEL	P01065	6971	0.92532	0.0001	5
MANGANESE	0	P01056	NICKEL	P01067	6437	0.93332	0.0001	5
MANGANESE	0	P01055	PH	P00400	6558	-0.44408	0.0001	5
MANGANESE	0	P01056	PH	P00400	9552	-0.42187	0.0001	5
MANGANESE	0	P01055	SELENIUM	P01147	1260	-0.12429	0.0001	5
MANGANESE	0	P01056	SELENIUM	P01147	1242	-0.10547	0.0002	5
MANGANESE	0	P01055	TURBIDITY	P00076	6397	0.0347	0.0055	5
MANGANESE	50	P01055	ARSENIC	P01002	1106	-0.10928	0.0003	5
MANGANESE	50	P01056	ARSENIC	P01002	479	-0.11706	0.0103	5
MANGANESE	50	P01055	BARIUM	P01007	5412	0.06231	0.0001	5
MANGANESE	50	P01056	BARIUM	P01005	3142	-0.04907	0.0059	5
MANGANESE	50	P01056	BARIUM	P01007	3048	-0.04101	0.0236	5
MANGANESE	50	P01055	BERYLLIUM	P01010	5374	0.88656	0.0001	5
MANGANESE	50	P01055	BERYLLIUM	P01012	5413	0.80005	0.0001	5
MANGANESE	50	P01056	BERYLLIUM	P01010	3061	0.88706	0.0001	5
MANGANESE	50	P01056	BERYLLIUM	P01012	3048	0.93172	0.0001	5
MANGANESE	50	P01055	CADMIUM	P01025	5378	0.86711	0.0001	5
MANGANESE	50	P01055	CADMIUM	P01027	5427	0.88329	0.0001	5
MANGANESE	50	P01056	CADMIUM	P01025	3062	0.85932	0.0001	5
MANGANESE	50	P01056	CADMIUM	P01027	3055	0.90993	0.0001	5
MANGANESE	50	P01055	CHROMIUM	P01030	5374	0.74594	0.0001	5
MANGANESE	50	P01055	CHROMIUM	P01034	5427	0.24639	0.0001	5
MANGANESE	50	P01056	CHROMIUM	P01030	3059	0.83656	0.0001	5
MANGANESE	50	P01056	CHROMIUM	P01034	3055	0.59053	0.0001	5
MANGANESE	50	P01055	CONDUCTANCE	P00095	5485	0.24575	0.0001	5
MANGANESE	50	P01056	CONDUCTANCE	P00095	3673	0.27008	0.0001	5
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	5458	-0.05196	0.0001	5
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	1435	0.19326	0.0001	5
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	1254	0.23711	0.0001	5
MANGANESE	50	P01055	HARDNESS	P00900	5463	0.19413	0.0001	5
MANGANESE	50	P01056	HARDNESS	P00900	3658	0.23315	0.0001	5
MANGANESE	50	P01055	IRON	P01045	5506	0.83481	0.0001	5
MANGANESE	50	P01055	IRON	P01046	5463	0.81579	0.0001	5
MANGANESE	50	P01056	IRON	P01045	3099	0.8205	0.0001	5
MANGANESE	50	P01056	IRON	P01046	3704	0.80053	0.0001	5
MANGANESE	50	P01055	NICKEL	P01065	5344	0.93262	0.0001	5
MANGANESE	50	P01055	NICKEL	P01067	5427	0.93939	0.0001	5
MANGANESE	50	P01056	NICKEL	P01065	3091	0.93427	0.0001	5
MANGANESE	50	P01056	NICKEL	P01067	3055	0.94801	0.0001	5
MANGANESE	50	P01056	NITRATE	P00618	443	-0.15363	0.0012	5
MANGANESE	50	P01055	PH	P00400	5474	-0.46221	0.0001	5
MANGANESE	50	P01056	PH	P00400	3680	-0.51921	0.0001	5
MANGANESE	50	P01055	SELENIUM	P01147	1030	-0.13337	0.0001	5
MANGANESE	50	P01056	SELENIUM	P01147	416	-0.13735	0.005	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01055	SULFATE	P00945	3784	0.49172	0.0001	5
MANGANESE	50	P01056	SULFATE	P00945	2758	0.49616	0.0001	5
MANGANESE	50	P01055	TURBIDITY	P00076	5345	0.03014	0.0275	5
MERCURY	0	P71900	SELENIUM	P01147	1229	0.0753	0.0083	5
NICKEL	0	P01065	CONDUCTANCE	P00095	6935	0.25394	0.0001	5
NICKEL	0	P01067	CONDUCTANCE	P00095	6473	0.2278	0.0001	5
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	6895	-0.03498	0.0037	5
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	6439	-0.03048	0.0144	5
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	2211	0.25878	0.0001	5
NICKEL	0	P01065	HARDNESS	P00900	6989	0.19756	0.0001	5
NICKEL	0	P01067	HARDNESS	P00900	6496	0.16005	0.0001	5
NICKEL	0	P01065	NITRITE	P00615	65	0.24681	0.0475	5
NICKEL	0	P01065	PH	P00400	6922	-0.34403	0.0001	5
NICKEL	0	P01067	PH	P00400	6454	-0.32558	0.0001	5
NICKEL	0	P01065	SELENIUM	P01147	1237	-0.12975	0.0001	5
NICKEL	0	P01067	SELENIUM	P01147	1261	-0.13083	0.0001	5
NICKEL	100	P01065	BARIUM	P01005	27	-0.67681	0.0001	5
NICKEL	100	P01065	BARIUM	P01007	21	-0.8991	0.0001	5
NICKEL	100	P01067	BARIUM	P01005	27	-0.88131	0.0001	5
NICKEL	100	P01065	BERYLLIUM	P01010	27	0.98985	0.0001	5
NICKEL	100	P01065	BERYLLIUM	P01012	21	0.9945	0.0001	5
NICKEL	100	P01067	BERYLLIUM	P01010	27	0.98363	0.0001	5
NICKEL	100	P01067	BERYLLIUM	P01012	27	0.86924	0.0001	5
NICKEL	100	P01065	CADMIUM	P01025	26	0.942	0.0001	5
NICKEL	100	P01065	CADMIUM	P01027	21	0.93622	0.0001	5
NICKEL	100	P01067	CADMIUM	P01025	26	0.94037	0.0001	5
NICKEL	100	P01067	CADMIUM	P01027	27	0.93258	0.0001	5
NICKEL	100	P01065	CHROMIUM	P01030	27	0.9336	0.0001	5
NICKEL	100	P01065	CHROMIUM	P01034	21	0.94909	0.0001	5
NICKEL	100	P01067	CHROMIUM	P01030	27	0.91553	0.0001	5
NICKEL	100	P01065	CONDUCTANCE	P00095	27	0.92419	0.0001	5
NICKEL	100	P01067	CONDUCTANCE	P00095	27	0.93589	0.0001	5
NICKEL	100	P01065	DISSOLVED-OXYGE	P00300	25	-0.80361	0.0001	5
NICKEL	100	P01067	DISSOLVED-OXYGE	P00300	27	-0.66137	0.0002	5
NICKEL	100	P01065	HARDNESS	P00900	27	0.68821	0.0001	5
NICKEL	100	P01067	HARDNESS	P00900	27	0.94189	0.0001	5
NICKEL	100	P01065	IRON	P01045	21	0.9813	0.0001	5
NICKEL	100	P01065	IRON	P01046	27	0.9847	0.0001	5
NICKEL	100	P01067	IRON	P01045	27	0.97974	0.0001	5
NICKEL	100	P01067	IRON	P01046	27	0.98368	0.0001	5
NICKEL	100	P01065	MANGANESE	P01055	26	0.97079	0.0001	5
NICKEL	100	P01065	MANGANESE	P01056	27	0.95749	0.0001	5
NICKEL	100	P01067	MANGANESE	P01055	27	0.97999	0.0001	5
NICKEL	100	P01067	MANGANESE	P01056	27	0.97307	0.0001	5
NICKEL	100	P01065	PH	P00400	27	-0.49892	0.0081	5
NICKEL	100	P01067	PH	P00400	27	-0.43749	0.0225	5
NICKEL	100	P01065	SULFATE	P00945	26	0.82322	0.0001	5
NICKEL	100	P01067	SULFATE	P00945	26	0.82761	0.0001	5
NITRATE	0	P00618	ANTIMONY	P01095	36	-0.3377	0.044	5
NITRATE	0	P00618	BARIUM	P01005	436	0.36763	0.0001	5
NITRATE	0	P00618	BERYLLIUM	P01012	5	-0.91152	0.0312	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	CADMIUM	P01025	97	0.25322	0.0123	5
NITRATE	0	P00618	CONDUCTANCE	P00095	3163	0.13094	0.0001	5
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	2197	0.12825	0.0001	5
NITRATE	0	P00618	HARDNESS	P00900	2210	0.19951	0.0001	5
NITRATE	0	P00618	IRON	P01046	2141	-0.18023	0.0001	5
NITRATE	0	P00618	MANGANESE	P01056	2141	-0.11391	0.0001	5
NITRATE	0	P00618	NITRITE	P00613	3268	0.24125	0.0001	5
NITRATE	0	P00618	NITRITE	P00615	53	0.59066	0.0001	5
NITRATE	0	P00618	PH	P00400	3175	-0.04964	0.0051	5
NITRATE	0	P00618	SELENIUM	P01145	396	0.30369	0.0001	5
NITRATE	0	P00618	TURBIDITY	P00076	512	0.10277	0.02	5
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	232	-0.14282	0.0297	5
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	100	0.1987	0.0475	5
NITRATE	8	P00618	NITRITE	P00613	295	0.12715	0.029	5
NITRATE	8	P00618	PH	P00400	272	-0.25772	0.0001	5
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	99	-0.26778	0.0074	5
NITRATE	10	P00618	NITRITE	P00613	139	0.20729	0.0143	5
NITRATE	10	P00618	PH	P00400	124	-0.23006	0.0102	5
NITRITE	0	P00613	ALKALINITY	P39036	902	-0.17673	0.0001	5
NITRITE	0	P00613	CONDUCTANCE	P00095	4295	0.18244	0.0001	5
NITRITE	0	P00615	CONDUCTANCE	P00095	87	0.3591	0.0006	5
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	2904	0.20348	0.0001	5
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	75	0.38281	0.0007	5
NITRITE	0	P00613	HARDNESS	P00900	2926	0.112	0.0001	5
NITRITE	0	P00615	HARDNESS	P00900	76	0.34558	0.0022	5
NITRITE	0	P00613	PH	P00400	4263	-0.06736	0.0001	5
NITRITE	0	P00613	SELENIUM	P01145	559	0.16411	0.0001	5
NITRITE	0	P00615	TURBIDITY	P00076	75	0.49968	0.0001	5
PH	0	P00400	ALKALINITY	P39036	908	0.46171	0.0001	5
PH	0	P00400	DISSOLVED-OXYGE	P00300	12764	0.03555	0.0001	5
PH	0	P00400	TURBIDITY	P00076	7757	-0.05343	0.0001	5
RADIUM-226	0	P09511	NITRATE	P00618	10	0.8589	0.0015	5
RADIUM-226	0	P76001	NITRATE	P00618	8	0.79818	0.0176	5
SELENIUM	0	P01145	CONDUCTANCE	P00095	575	0.19582	0.0001	5
SELENIUM	0	P01147	CONDUCTANCE	P00095	1269	0.08712	0.0019	5
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	568	-0.14809	0.0004	5
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	1261	-0.13697	0.0001	5
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	571	0.25715	0.0001	5
SELENIUM	0	P01145	HARDNESS	P00900	580	0.23064	0.0001	5
SELENIUM	0	P01147	PH	P00400	1264	0.09955	0.0004	5
SELENIUM	0	P01147	TURBIDITY	P00076	1241	0.18761	0.0001	5
SULFATE	0	P00945	ALKALINITY	P39036	866	0.29733	0.0001	5
SULFATE	0	P00945	ANTIMONY	P01095	43	0.81533	0.0001	5
SULFATE	0	P00945	BARIUM	P01005	5177	-0.06141	0.0001	5
SULFATE	0	P00945	BARIUM	P01007	4435	-0.09715	0.0001	5
SULFATE	0	P00945	BERYLLIUM	P01010	4508	0.40869	0.0001	5
SULFATE	0	P00945	BERYLLIUM	P01012	4435	0.34749	0.0001	5
SULFATE	0	P00945	CADMIUM	P01025	4595	0.41678	0.0001	5
SULFATE	0	P00945	CADMIUM	P01027	4462	0.4114	0.0001	5
SULFATE	0	P00945	CHROMIUM	P01030	4504	0.3621	0.0001	5
SULFATE	0	P00945	CHROMIUM	P01034	4462	0.07933	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	CONDUCTANCE	P00095	7965	0.61821	0.0001	5
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	4647	0.84699	0.0001	5
SULFATE	0	P00945	HARDNESS	P00900	7950	0.74092	0.0001	5
SULFATE	0	P00945	IRON	P01045	4579	0.38706	0.0001	5
SULFATE	0	P00945	IRON	P01046	7514	0.41209	0.0001	5
SULFATE	0	P00945	MANGANESE	P01055	4566	0.49458	0.0001	5
SULFATE	0	P00945	MANGANESE	P01056	7512	0.51079	0.0001	5
SULFATE	0	P00945	NICKEL	P01065	4949	0.45964	0.0001	5
SULFATE	0	P00945	NICKEL	P01067	4462	0.41865	0.0001	5
SULFATE	0	P00945	NITRATE	P00618	2281	0.08072	0.0001	5
SULFATE	0	P00945	NITRITE	P00613	2999	0.0594	0.0011	5
SULFATE	0	P00945	NITRITE	P00615	75	0.43476	0.0001	5
SULFATE	0	P00945	PH	P00400	7977	-0.27951	0.0001	5
SULFATE	0	P00945	SELENIUM	P01145	578	0.13079	0.0016	5
SULFATE	0	P00945	SELENIUM	P01147	1253	-0.08851	0.0017	5
SULFATE	25	P00945	ALKALINITY	P39036	707	0.12912	0.0006	5
SULFATE	25	P00945	ANTIMONY	P01095	42	0.81454	0.0001	5
SULFATE	25	P00945	ARSENIC	P01002	1237	-0.12409	0.0001	5
SULFATE	25	P00945	BARIUM	P01005	4674	-0.1042	0.0001	5
SULFATE	25	P00945	BARIUM	P01007	4225	-0.09297	0.0001	5
SULFATE	25	P00945	BERYLLIUM	P01010	4301	0.41083	0.0001	5
SULFATE	25	P00945	BERYLLIUM	P01012	4225	0.35296	0.0001	5
SULFATE	25	P00945	CADMIUM	P01025	4328	0.41589	0.0001	5
SULFATE	25	P00945	CADMIUM	P01027	4230	0.41185	0.0001	5
SULFATE	25	P00945	CHROMIUM	P01030	4263	0.36177	0.0001	5
SULFATE	25	P00945	CHROMIUM	P01034	4230	0.08147	0.0001	5
SULFATE	25	P00945	CONDUCTANCE	P00095	6564	0.61979	0.0001	5
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	3632	0.85709	0.0001	5
SULFATE	25	P00945	HARDNESS	P00900	6532	0.76421	0.0001	5
SULFATE	25	P00945	IRON	P01045	4288	0.39327	0.0001	5
SULFATE	25	P00945	IRON	P01046	6283	0.41648	0.0001	5
SULFATE	25	P00945	MANGANESE	P01055	4279	0.498	0.0001	5
SULFATE	25	P00945	MANGANESE	P01056	6279	0.51326	0.0001	5
SULFATE	25	P00945	NICKEL	P01065	4533	0.45757	0.0001	5
SULFATE	25	P00945	NICKEL	P01067	4230	0.42084	0.0001	5
SULFATE	25	P00945	PH	P00400	6564	-0.31709	0.0001	5
SULFATE	25	P00945	SELENIUM	P01147	1182	-0.10184	0.0005	5
SULFATE	120	P00945	ANTIMONY	P01095	11	0.69652	0.0173	5
SULFATE	120	P00945	ARSENIC	P01002	253	-0.20562	0.001	5
SULFATE	120	P00945	BARIUM	P01005	931	-0.22025	0.0001	5
SULFATE	120	P00945	BARIUM	P01007	888	-0.22572	0.0001	5
SULFATE	120	P00945	BERYLLIUM	P01010	906	0.43768	0.0001	5
SULFATE	120	P00945	BERYLLIUM	P01012	888	0.43398	0.0001	5
SULFATE	120	P00945	CADMIUM	P01025	906	0.44098	0.0001	5
SULFATE	120	P00945	CADMIUM	P01027	888	0.44295	0.0001	5
SULFATE	120	P00945	CHROMIUM	P01030	890	0.37749	0.0001	5
SULFATE	120	P00945	CHROMIUM	P01034	888	0.36344	0.0001	5
SULFATE	120	P00945	CONDUCTANCE	P00095	1078	0.66691	0.0001	5
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	1060	-0.11221	0.0003	5
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	500	0.93154	0.0001	5
SULFATE	120	P00945	HARDNESS	P00900	1031	0.82582	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	120	P00945	IRON	P01045	939	0.42021	0.0001	5
SULFATE	120	P00945	IRON	P01046	1056	0.43464	0.0001	5
SULFATE	120	P00945	MANGANESE	P01055	934	0.47703	0.0001	5
SULFATE	120	P00945	MANGANESE	P01056	1057	0.48857	0.0001	5
SULFATE	120	P00945	NICKEL	P01065	900	0.46782	0.0001	5
SULFATE	120	P00945	NICKEL	P01067	888	0.43426	0.0001	5
SULFATE	120	P00945	PH	P00400	1076	-0.28867	0.0001	5
SULFATE	120	P00945	SELENIUM	P01147	226	-0.17785	0.0074	5
SULFATE	150	P00945	ARSENIC	P01002	188	-0.20362	0.0051	5
SULFATE	150	P00945	BARIUM	P01005	670	-0.25011	0.0001	5
SULFATE	150	P00945	BARIUM	P01007	647	-0.25902	0.0001	5
SULFATE	150	P00945	BERYLLIUM	P01010	658	0.44005	0.0001	5
SULFATE	150	P00945	BERYLLIUM	P01012	647	0.43659	0.0001	5
SULFATE	150	P00945	CADMIUM	P01025	658	0.44364	0.0001	5
SULFATE	150	P00945	CADMIUM	P01027	647	0.44613	0.0001	5
SULFATE	150	P00945	CHROMIUM	P01030	647	0.43052	0.0001	5
SULFATE	150	P00945	CHROMIUM	P01034	647	0.40631	0.0001	5
SULFATE	150	P00945	CONDUCTANCE	P00095	773	0.66724	0.0001	5
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	761	-0.10309	0.0044	5
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	347	0.93408	0.0001	5
SULFATE	150	P00945	HARDNESS	P00900	727	0.82786	0.0001	5
SULFATE	150	P00945	IRON	P01045	695	0.42162	0.0001	5
SULFATE	150	P00945	IRON	P01046	759	0.43806	0.0001	5
SULFATE	150	P00945	MANGANESE	P01055	693	0.46593	0.0001	5
SULFATE	150	P00945	MANGANESE	P01056	760	0.47674	0.0001	5
SULFATE	150	P00945	NICKEL	P01065	646	0.46756	0.0001	5
SULFATE	150	P00945	NICKEL	P01067	647	0.43556	0.0001	5
SULFATE	150	P00945	NITRATE	P00618	53	-0.37227	0.0061	5
SULFATE	150	P00945	PH	P00400	774	-0.25525	0.0001	5
SULFATE	150	P00945	SELENIUM	P01147	164	-0.15978	0.041	5
SULFATE	250	P00945	BARIUM	P01005	347	-0.32699	0.0001	5
SULFATE	250	P00945	BARIUM	P01007	343	-0.35575	0.0001	5
SULFATE	250	P00945	BERYLLIUM	P01010	347	0.49259	0.0001	5
SULFATE	250	P00945	BERYLLIUM	P01012	343	0.48814	0.0001	5
SULFATE	250	P00945	CADMIUM	P01025	347	0.47966	0.0001	5
SULFATE	250	P00945	CADMIUM	P01027	343	0.48118	0.0001	5
SULFATE	250	P00945	CHROMIUM	P01030	345	0.4915	0.0001	5
SULFATE	250	P00945	CHROMIUM	P01034	343	0.48961	0.0001	5
SULFATE	250	P00945	CONDUCTANCE	P00095	412	0.70176	0.0001	5
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	160	0.93657	0.0001	5
SULFATE	250	P00945	HARDNESS	P00900	369	0.83671	0.0001	5
SULFATE	250	P00945	IRON	P01045	387	0.48347	0.0001	5
SULFATE	250	P00945	IRON	P01046	405	0.50162	0.0001	5
SULFATE	250	P00945	MANGANESE	P01055	388	0.46967	0.0001	5
SULFATE	250	P00945	MANGANESE	P01056	407	0.47546	0.0001	5
SULFATE	250	P00945	NICKEL	P01065	336	0.51901	0.0001	5
SULFATE	250	P00945	NICKEL	P01067	343	0.48768	0.0001	5
SULFATE	250	P00945	PH	P00400	412	-0.17187	0.0005	5
SULFATE	500	P00945	BARIUM	P01005	162	-0.35091	0.0001	5
SULFATE	500	P00945	BARIUM	P01007	160	-0.36815	0.0001	5
SULFATE	500	P00945	BERYLLIUM	P01010	162	0.51298	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 1-5
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	500	P00945	BERYLLIUM	P01012	160	0.51338	0.0001	5
SULFATE	500	P00945	CADMIUM	P01025	163	0.50395	0.0001	5
SULFATE	500	P00945	CADMIUM	P01027	160	0.50213	0.0001	5
SULFATE	500	P00945	CHROMIUM	P01030	163	0.52975	0.0001	5
SULFATE	500	P00945	CHROMIUM	P01034	160	0.5318	0.0001	5
SULFATE	500	P00945	CONDUCTANCE	P00095	186	0.70229	0.0001	5
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	68	0.9622	0.0001	5
SULFATE	500	P00945	HARDNESS	P00900	171	0.74638	0.0001	5
SULFATE	500	P00945	IRON	P01045	175	0.51829	0.0001	5
SULFATE	500	P00945	IRON	P01046	182	0.53757	0.0001	5
SULFATE	500	P00945	MANGANESE	P01055	177	0.4399	0.0001	5
SULFATE	500	P00945	MANGANESE	P01056	184	0.43755	0.0001	5
SULFATE	500	P00945	NICKEL	P01065	156	0.53915	0.0001	5
SULFATE	500	P00945	NICKEL	P01067	160	0.50827	0.0001	5
SULFATE	500	P00945	TURBIDITY	P00076	163	0.17373	0.0266	5
TURBIDITY	0	P00076	CONDUCTANCE	P00095	7722	-0.04697	0.0001	5
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	8	0.99292	0.0001	5

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ALKALINITY	0	P39036	CONDUCTANCE	P00095	5811	0.06035	0.0001	6
ALKALINITY	0	P39036	TURBIDITY	P00076	1403	-0.11847	0.0001	6
ANTIMONY	0	P01095	BARIUM	P01007	7	-1	0.0001	6
ANTIMONY	0	P01095	BERYLLIUM	P01010	548	0.48835	0.0001	6
ANTIMONY	0	P01097	BERYLLIUM	P01010	51	0.99085	0.0001	6
ANTIMONY	0	P01095	CADMIUM	P01025	548	0.75529	0.0001	6
ANTIMONY	0	P01095	CADMIUM	P01027	75	0.80572	0.0001	6
ANTIMONY	0	P01097	CADMIUM	P01025	65	0.9972	0.0001	6
ANTIMONY	0	P01097	CADMIUM	P01027	160	0.90684	0.0001	6
ANTIMONY	0	P01095	CHROMIUM	P01030	548	0.66732	0.0001	6
ANTIMONY	0	P01097	CHROMIUM	P01030	65	0.97724	0.0001	6
ANTIMONY	0	P01097	CHROMIUM	P01034	160	0.33467	0.0001	6
ANTIMONY	0	P01097	CONDUCTANCE	P00095	156	-0.59014	0.0001	6
ANTIMONY	0	P01097	DISSOLVED-SOLID	P70301	53	0.31459	0.0218	6
ANTIMONY	0	P01095	MERCURY	P71890	98	0.998	0.0001	6
ANTIMONY	0	P01097	MERCURY	P71890	60	0.99721	0.0001	6
ANTIMONY	0	P01097	MERCURY	P71900	159	0.6334	0.0001	6
ANTIMONY	0	P01095	NICKEL	P01065	547	0.63784	0.0001	6
ANTIMONY	0	P01097	NICKEL	P01065	54	0.89855	0.0001	6
ANTIMONY	0	P01097	PH	P00400	159	-0.44887	0.0001	6
ANTIMONY	0	P01095	SELENIUM	P01145	421	0.86065	0.0001	6
ANTIMONY	0	P01095	SELENIUM	P01147	145	0.79453	0.0001	6
ANTIMONY	0	P01097	SELENIUM	P01145	67	0.85456	0.0001	6
ANTIMONY	0	P01097	SELENIUM	P01147	160	0.37407	0.0001	6
ANTIMONY	0	P01097	THALLIUM	P01059	74	0.9993	0.0001	6
ANTIMONY	6	P01095	ARSENIC	P01000	9	0.99994	0.0001	6
ANTIMONY	6	P01095	ARSENIC	P01002	9	-0.81709	0.0072	6
ANTIMONY	6	P01097	ARSENIC	P01000	8	1	0.0001	6
ANTIMONY	6	P01095	BERYLLIUM	P01012	9	-0.99994	0.0001	6
ANTIMONY	6	P01097	BERYLLIUM	P01010	8	1	0.0001	6
ANTIMONY	6	P01095	CADMIUM	P01025	9	0.99994	0.0001	6
ANTIMONY	6	P01095	CADMIUM	P01027	9	0.93162	0.0003	6
ANTIMONY	6	P01097	CADMIUM	P01025	8	1	0.0001	6
ANTIMONY	6	P01095	CHROMIUM	P01030	9	0.99994	0.0001	6
ANTIMONY	6	P01097	CHROMIUM	P01030	8	1	0.0001	6
ANTIMONY	6	P01097	CHROMIUM	P01034	76	-0.32455	0.0042	6
ANTIMONY	6	P01097	CONDUCTANCE	P00095	73	-0.67345	0.0001	6
ANTIMONY	6	P01095	IRON	P01046	9	-0.68907	0.0401	6
ANTIMONY	6	P01097	IRON	P01045	76	-0.35719	0.0015	6
ANTIMONY	6	P01097	MANGANESE	P01055	76	-0.35832	0.0015	6
ANTIMONY	6	P01095	MERCURY	P71890	9	0.99994	0.0001	6
ANTIMONY	6	P01095	MERCURY	P71900	9	-0.93162	0.0003	6
ANTIMONY	6	P01097	MERCURY	P71890	8	1	0.0001	6
ANTIMONY	6	P01095	NICKEL	P01065	9	0.99994	0.0001	6
ANTIMONY	6	P01097	NICKEL	P01065	8	1	0.0001	6
ANTIMONY	6	P01097	NICKEL	P01067	76	-0.30402	0.0076	6
ANTIMONY	6	P01095	PH	P00400	9	-0.75829	0.0179	6
ANTIMONY	6	P01097	PH	P00400	76	-0.53294	0.0001	6
ANTIMONY	6	P01097	SULFATE	P00945	76	-0.46398	0.0001	6
ANTIMONY	6	P01097	THALLIUM	P01059	74	0.9993	0.0001	6
ARSENIC	0	P01002	ALKALINITY	P39036	676	-0.22762	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01000	ANTIMONY	P01097	29	0.87802	0.0001	6
ARSENIC	0	P01002	ANTIMONY	P01097	124	0.41411	0.0001	6
ARSENIC	0	P01000	BARIUM	P01005	1901	0.1423	0.0001	6
ARSENIC	0	P01002	BERYLLIUM	P01012	1097	0.10417	0.0005	6
ARSENIC	0	P01000	CADMIUM	P01025	2291	-0.04811	0.0213	6
ARSENIC	0	P01002	CADMIUM	P01025	664	-0.14948	0.0001	6
ARSENIC	0	P01002	CADMIUM	P01027	1520	0.17968	0.0001	6
ARSENIC	0	P01000	CHROMIUM	P01030	2129	-0.06138	0.0046	6
ARSENIC	0	P01002	CHROMIUM	P01030	501	-0.09465	0.0342	6
ARSENIC	0	P01002	CHROMIUM	P01034	1747	0.12028	0.0001	6
ARSENIC	0	P01002	CONDUCTANCE	P00095	1808	-0.05699	0.0154	6
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	2184	-0.05495	0.0102	6
ARSENIC	0	P01002	HARDNESS	P00900	1697	-0.05445	0.0249	6
ARSENIC	0	P01002	MERCURY	P71900	1698	0.09888	0.0001	6
ARSENIC	0	P01000	NICKEL	P01065	1963	-0.05847	0.0096	6
ARSENIC	0	P01000	NICKEL	P01067	410	0.20507	0.0001	6
ARSENIC	0	P01002	NICKEL	P01065	580	-0.18606	0.0001	6
ARSENIC	0	P01000	NITRATE	P00618	958	0.12498	0.0001	6
ARSENIC	0	P01002	NITRATE	P00618	562	-0.11478	0.0065	6
ARSENIC	0	P01000	NITRITE	P00613	1835	0.12402	0.0001	6
ARSENIC	0	P01002	NITRITE	P00615	694	0.12025	0.0015	6
ARSENIC	0	P01000	PH	P00400	2264	0.0733	0.0005	6
ARSENIC	0	P01002	PH	P00400	1813	0.04838	0.0394	6
ARSENIC	0	P01000	RADIUM-226	P09511	48	0.83849	0.0001	6
ARSENIC	0	P01000	RADIUM-226	P76001	47	0.82544	0.0001	6
ARSENIC	0	P01002	RADIUM-226	P09511	39	0.8722	0.0001	6
ARSENIC	0	P01002	RADIUM-226	P76001	38	0.85583	0.0001	6
ARSENIC	0	P01002	SELENIUM	P01147	1475	0.58432	0.0001	6
ARSENIC	0	P01002	SULFATE	P00945	1772	-0.06164	0.0094	6
ARSENIC	0	P01002	THALLIUM	P01059	585	0.52018	0.0001	6
ARSENIC	0	P01002	TURBIDITY	P00076	703	0.42434	0.0001	6
ARSENIC	2	P01002	ALKALINITY	P39036	336	-0.13612	0.0125	6
ARSENIC	2	P01000	ANTIMONY	P01097	13	0.99996	0.0001	6
ARSENIC	2	P01002	ANTIMONY	P01097	102	0.32357	0.0009	6
ARSENIC	2	P01002	BERYLLIUM	P01012	709	0.19959	0.0001	6
ARSENIC	2	P01000	CADMIUM	P01025	1067	-0.07236	0.0181	6
ARSENIC	2	P01002	CADMIUM	P01025	517	-0.10295	0.0192	6
ARSENIC	2	P01002	CADMIUM	P01027	981	0.1914	0.0001	6
ARSENIC	2	P01002	CHROMIUM	P01034	998	0.08039	0.0111	6
ARSENIC	2	P01002	CONDUCTANCE	P00095	1076	-0.07634	0.0122	6
ARSENIC	2	P01002	HARDNESS	P00900	1034	-0.06378	0.0403	6
ARSENIC	2	P01002	MERCURY	P71900	964	0.08435	0.0088	6
ARSENIC	2	P01000	NICKEL	P01065	925	-0.08351	0.0111	6
ARSENIC	2	P01002	NICKEL	P01065	465	-0.10361	0.0255	6
ARSENIC	2	P01002	PH	P00400	1082	-0.06446	0.034	6
ARSENIC	2	P01000	RADIUM-226	P09511	31	0.89917	0.0001	6
ARSENIC	2	P01000	RADIUM-226	P76001	30	0.89194	0.0001	6
ARSENIC	2	P01002	RADIUM-226	P09511	29	0.9443	0.0001	6
ARSENIC	2	P01002	RADIUM-226	P76001	28	0.93238	0.0001	6
ARSENIC	2	P01002	SELENIUM	P01147	944	0.60422	0.0001	6
ARSENIC	2	P01002	SULFATE	P00945	1104	-0.0764	0.0111	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01002	THALLIUM	P01059	325	0.50655	0.0001	6
ARSENIC	2	P01002	TURBIDITY	P00076	365	0.26861	0.0001	6
ARSENIC	5	P01000	ALKALINITY	P39036	70	-0.23637	0.0488	6
ARSENIC	5	P01002	ALKALINITY	P39036	84	-0.31789	0.0032	6
ARSENIC	5	P01000	BARIUM	P01005	149	-0.3004	0.0002	6
ARSENIC	5	P01002	BARIUM	P01005	81	-0.39279	0.0003	6
ARSENIC	5	P01000	BERYLLIUM	P01010	143	0.23477	0.0048	6
ARSENIC	5	P01002	BERYLLIUM	P01012	195	0.16086	0.0247	6
ARSENIC	5	P01002	CADMIUM	P01027	257	0.20947	0.0007	6
ARSENIC	5	P01000	CHROMIUM	P01030	167	-0.24205	0.0016	6
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	165	0.18335	0.0184	6
ARSENIC	5	P01002	MERCURY	P71900	248	0.20705	0.001	6
ARSENIC	5	P01000	NICKEL	P01065	145	-0.25838	0.0017	6
ARSENIC	5	P01002	NICKEL	P01065	96	-0.20542	0.0447	6
ARSENIC	5	P01002	PH	P00400	284	-0.14458	0.0147	6
ARSENIC	5	P01000	RADIUM-226	P09511	14	0.88614	0.0001	6
ARSENIC	5	P01000	RADIUM-226	P76001	13	0.87266	0.0001	6
ARSENIC	5	P01002	RADIUM-226	P09511	10	0.99639	0.0001	6
ARSENIC	5	P01002	RADIUM-226	P76001	9	0.99716	0.0001	6
ARSENIC	5	P01002	SELENIUM	P01147	247	0.62403	0.0001	6
ARSENIC	5	P01002	SULFATE	P00945	298	-0.11537	0.0466	6
ARSENIC	5	P01002	THALLIUM	P01059	137	0.30234	0.0003	6
ARSENIC	5	P01000	TURBIDITY	P00076	78	0.31033	0.0057	6
ARSENIC	5	P01002	TURBIDITY	P00076	35	-0.35065	0.0389	6
ARSENIC	10	P01002	ANTIMONY	P01097	69	-0.25837	0.0321	6
ARSENIC	10	P01000	DISSOLVED-OXYGE	P00300	46	0.56071	0.0001	6
ARSENIC	10	P01000	PH	P00400	48	0.3705	0.0095	6
ARSENIC	10	P01002	SELENIUM	P01147	103	0.58118	0.0001	6
ARSENIC	20	P01002	ANTIMONY	P01097	12	-1	0.0001	6
ARSENIC	20	P01002	CONDUCTANCE	P00095	27	-0.48911	0.0096	6
ARSENIC	20	P01000	DISSOLVED-OXYGE	P00300	12	0.62571	0.0295	6
ARSENIC	20	P01000	IRON	P01046	8	-0.82247	0.0122	6
ARSENIC	20	P01002	NITRITE	P00613	22	-0.71665	0.0002	6
ARSENIC	20	P01002	PH	P00400	27	-0.43628	0.0229	6
ARSENIC	20	P01002	SULFATE	P00945	30	-0.45411	0.0117	6
ARSENIC	20	P01002	THALLIUM	P01059	18	0.9417	0.0001	6
BARIUM	0	P01005	ALKALINITY	P39036	1210	0.24098	0.0001	6
BARIUM	0	P01007	ALKALINITY	P39036	168	-0.18894	0.0142	6
BARIUM	0	P01007	BERYLLIUM	P01010	7	-1	0.0001	6
BARIUM	0	P01007	BERYLLIUM	P01012	38	0.87777	0.0001	6
BARIUM	0	P01005	CADMIUM	P01025	2083	-0.09222	0.0001	6
BARIUM	0	P01007	CADMIUM	P01025	216	-0.13657	0.045	6
BARIUM	0	P01005	CHROMIUM	P01034	360	0.12297	0.0196	6
BARIUM	0	P01007	CHROMIUM	P01034	300	0.69729	0.0001	6
BARIUM	0	P01005	CONDUCTANCE	P00095	2754	0.08395	0.0001	6
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	2676	0.07933	0.0001	6
BARIUM	0	P01005	HARDNESS	P00900	2779	0.10624	0.0001	6
BARIUM	0	P01007	HARDNESS	P00900	290	-0.12473	0.0337	6
BARIUM	0	P01005	IRON	P01046	2618	-0.04732	0.0155	6
BARIUM	0	P01007	IRON	P01045	300	0.78948	0.0001	6
BARIUM	0	P01005	MANGANESE	P01056	2795	0.08242	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01007	MANGANESE	P01055	269	0.78339	0.0001	6
BARIUM	0	P01007	MERCURY	P71900	299	0.25952	0.0001	6
BARIUM	0	P01005	NICKEL	P01065	2675	-0.09314	0.0001	6
BARIUM	0	P01007	NICKEL	P01065	192	-0.16348	0.0235	6
BARIUM	0	P01007	NICKEL	P01067	271	0.22608	0.0002	6
BARIUM	0	P01005	NITRITE	P00613	2498	0.08402	0.0001	6
BARIUM	0	P01005	PH	P00400	2733	0.338	0.0001	6
BARIUM	0	P01005	SELENIUM	P01147	428	-0.15419	0.0014	6
BARIUM	0	P01007	TURBIDITY	P00076	57	0.8891	0.0001	6
BERYLLIUM	0	P01010	CADMIUM	P01025	1927	0.07872	0.0005	6
BERYLLIUM	0	P01010	CADMIUM	P01027	294	0.13855	0.0175	6
BERYLLIUM	0	P01012	CADMIUM	P01027	1133	0.19747	0.0001	6
BERYLLIUM	0	P01010	CHROMIUM	P01030	1764	-0.21725	0.0001	6
BERYLLIUM	0	P01012	CHROMIUM	P01034	1130	0.19025	0.0001	6
BERYLLIUM	0	P01012	IRON	P01045	328	0.24218	0.0001	6
BERYLLIUM	0	P01012	MANGANESE	P01055	364	0.21645	0.0001	6
BERYLLIUM	0	P01012	MERCURY	P71900	1123	0.10925	0.0002	6
BERYLLIUM	0	P01010	NICKEL	P01065	1924	-0.09234	0.0001	6
BERYLLIUM	0	P01012	NICKEL	P01065	290	0.22331	0.0001	6
BERYLLIUM	0	P01012	NICKEL	P01067	1126	0.17868	0.0001	6
BERYLLIUM	0	P01010	NITRITE	P00613	1576	-0.05232	0.0378	6
BERYLLIUM	0	P01012	NITRITE	P00613	620	0.19358	0.0001	6
BERYLLIUM	0	P01012	NITRITE	P00615	445	0.28947	0.0001	6
BERYLLIUM	0	P01010	SELENIUM	P01145	1619	0.15641	0.0001	6
BERYLLIUM	0	P01010	SELENIUM	P01147	323	0.13212	0.0175	6
BERYLLIUM	0	P01012	SELENIUM	P01147	1132	0.10895	0.0002	6
BERYLLIUM	4	P01010	ANTIMONY	P01095	15	-0.57301	0.0256	6
BERYLLIUM	4	P01012	ANTIMONY	P01095	57	-0.56125	0.0001	6
BERYLLIUM	4	P01010	ARSENIC	P01000	47	-0.59543	0.0001	6
BERYLLIUM	4	P01012	ARSENIC	P01000	43	-0.4625	0.0018	6
BERYLLIUM	4	P01010	BARIUM	P01005	19	0.65788	0.0022	6
BERYLLIUM	4	P01012	BARIUM	P01007	38	0.87777	0.0001	6
BERYLLIUM	4	P01010	CADMIUM	P01025	48	-0.88924	0.0001	6
BERYLLIUM	4	P01010	CADMIUM	P01027	43	-0.85241	0.0001	6
BERYLLIUM	4	P01012	CADMIUM	P01025	81	-0.55715	0.0001	6
BERYLLIUM	4	P01010	CHROMIUM	P01030	18	-0.78257	0.0001	6
BERYLLIUM	4	P01012	CHROMIUM	P01030	71	-0.56204	0.0001	6
BERYLLIUM	4	P01012	CHROMIUM	P01034	793	0.3215	0.0001	6
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	48	-0.42808	0.0024	6
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	47	-0.40272	0.005	6
BERYLLIUM	4	P01010	HARDNESS	P00900	47	-0.37748	0.0089	6
BERYLLIUM	4	P01010	IRON	P01045	27	0.47544	0.0122	6
BERYLLIUM	4	P01012	IRON	P01045	138	0.82257	0.0001	6
BERYLLIUM	4	P01010	MANGANESE	P01055	27	0.42995	0.0252	6
BERYLLIUM	4	P01012	MANGANESE	P01055	174	0.83709	0.0001	6
BERYLLIUM	4	P01010	MERCURY	P71890	42	-0.85868	0.0001	6
BERYLLIUM	4	P01012	MERCURY	P71890	75	-0.55766	0.0001	6
BERYLLIUM	4	P01012	MERCURY	P71900	791	0.18437	0.0001	6
BERYLLIUM	4	P01010	NICKEL	P01065	48	-0.88497	0.0001	6
BERYLLIUM	4	P01010	NICKEL	P01067	43	-0.37463	0.0133	6
BERYLLIUM	4	P01012	NICKEL	P01065	85	-0.3757	0.0004	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BERYLLIUM	4	P01012	NICKEL	P01067	786	0.44697	0.0001	6
BERYLLIUM	4	P01010	NITRATE	P00618	33	-0.54447	0.0011	6
BERYLLIUM	4	P01010	NITRITE	P00613	46	-0.32913	0.0255	6
BERYLLIUM	4	P01010	SELENIUM	P01145	48	-0.66168	0.0001	6
BERYLLIUM	4	P01010	SELENIUM	P01147	43	-0.71137	0.0001	6
BERYLLIUM	4	P01012	SELENIUM	P01145	100	-0.43764	0.0001	6
BERYLLIUM	4	P01010	SULFATE	P00945	47	-0.34458	0.0177	6
BERYLLIUM	4	P01012	SULFATE	P00945	744	0.25802	0.0001	6
BERYLLIUM	4	P01010	TURBIDITY	P00076	34	-0.50978	0.0021	6
CADMIUM	0	P01025	ALKALINITY	P39036	1080	-0.06819	0.025	6
CADMIUM	0	P01025	CHROMIUM	P01030	3315	0.2047	0.0001	6
CADMIUM	0	P01027	CHROMIUM	P01030	450	0.66658	0.0001	6
CADMIUM	0	P01027	CHROMIUM	P01034	2193	0.24373	0.0001	6
CADMIUM	0	P01025	CONDUCTANCE	P00095	2446	0.83267	0.0001	6
CADMIUM	0	P01027	CONDUCTANCE	P00095	1624	0.52004	0.0001	6
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	3264	0.12973	0.0001	6
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	2326	0.80223	0.0001	6
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	1391	0.74665	0.0001	6
CADMIUM	0	P01025	HARDNESS	P00900	2754	0.62085	0.0001	6
CADMIUM	0	P01027	HARDNESS	P00900	1514	0.64834	0.0001	6
CADMIUM	0	P01025	IRON	P01045	304	-0.12022	0.0362	6
CADMIUM	0	P01025	IRON	P01046	2172	0.08608	0.0001	6
CADMIUM	0	P01027	MANGANESE	P01055	627	0.09606	0.0161	6
CADMIUM	0	P01027	MANGANESE	P01056	477	0.19665	0.0001	6
CADMIUM	0	P01025	MERCURY	P71890	1760	0.06361	0.0076	6
CADMIUM	0	P01027	MERCURY	P71890	576	0.20648	0.0001	6
CADMIUM	0	P01027	MERCURY	P71900	1524	0.20927	0.0001	6
CADMIUM	0	P01025	NICKEL	P01065	2144	0.90528	0.0001	6
CADMIUM	0	P01025	NICKEL	P01067	448	0.70948	0.0001	6
CADMIUM	0	P01027	NICKEL	P01065	526	0.74116	0.0001	6
CADMIUM	0	P01027	NICKEL	P01067	1366	0.50042	0.0001	6
CADMIUM	0	P01027	NITRITE	P00613	1067	-0.06129	0.0453	6
CADMIUM	0	P01025	PH	P00400	3365	0.13272	0.0001	6
CADMIUM	0	P01025	SELENIUM	P01145	2165	0.18486	0.0001	6
CADMIUM	0	P01025	SELENIUM	P01147	639	0.18097	0.0001	6
CADMIUM	0	P01027	SELENIUM	P01145	662	0.20704	0.0001	6
CADMIUM	0	P01027	SELENIUM	P01147	1505	0.29562	0.0001	6
CADMIUM	0	P01027	THALLIUM	P01059	583	0.84071	0.0001	6
CADMIUM	5	P01025	ALKALINITY	P39036	116	-0.21931	0.018	6
CADMIUM	5	P01025	ANTIMONY	P01095	9	-0.99981	0.0001	6
CADMIUM	5	P01027	ANTIMONY	P01095	8	-1	0.0001	6
CADMIUM	5	P01027	ANTIMONY	P01097	75	-0.38922	0.0006	6
CADMIUM	5	P01025	ARSENIC	P01000	142	-0.22864	0.0062	6
CADMIUM	5	P01025	ARSENIC	P01002	133	-0.22338	0.0098	6
CADMIUM	5	P01027	ARSENIC	P01002	108	-0.28092	0.0032	6
CADMIUM	5	P01025	BARIUM	P01005	147	-0.19351	0.0189	6
CADMIUM	5	P01027	BERYLLIUM	P01010	8	-1	0.0001	6
CADMIUM	5	P01027	BERYLLIUM	P01012	77	0.84145	0.0001	6
CADMIUM	5	P01025	CONDUCTANCE	P00095	146	0.78734	0.0001	6
CADMIUM	5	P01027	CONDUCTANCE	P00095	125	0.52048	0.0001	6
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	146	0.75765	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	5	P01027	DISSOLVED-SOLID	P70301	41	0.71876	0.0001	6
CADMIUM	5	P01025	HARDNESS	P00900	146	0.59497	0.0001	6
CADMIUM	5	P01027	HARDNESS	P00900	41	0.61797	0.0001	6
CADMIUM	5	P01027	IRON	P01046	38	0.36649	0.0236	6
CADMIUM	5	P01027	MERCURY	P71900	125	-0.31345	0.0004	6
CADMIUM	5	P01025	NICKEL	P01065	141	0.81687	0.0001	6
CADMIUM	5	P01025	NICKEL	P01067	128	0.59271	0.0001	6
CADMIUM	5	P01027	NICKEL	P01065	31	0.75933	0.0001	6
CADMIUM	5	P01027	NICKEL	P01067	100	0.77553	0.0001	6
CADMIUM	5	P01025	NITRITE	P00613	139	0.26486	0.0016	6
CADMIUM	5	P01027	PH	P00400	130	0.22031	0.0118	6
CADMIUM	5	P01025	SELENIUM	P01145	140	-0.23341	0.0055	6
CADMIUM	5	P01025	SELENIUM	P01147	134	-0.27774	0.0012	6
CADMIUM	5	P01027	SELENIUM	P01145	38	-0.3526	0.0299	6
CADMIUM	5	P01027	SELENIUM	P01147	107	-0.21483	0.0263	6
CADMIUM	5	P01025	SULFATE	P00945	146	0.49396	0.0001	6
CADMIUM	5	P01027	SULFATE	P00945	110	0.71545	0.0001	6
CADMIUM	5	P01027	THALLIUM	P01059	76	-0.32214	0.0045	6
CADMIUM	5	P01025	TURBIDITY	P00076	8	0.98606	0.0001	6
CHROMIUM	0	P01034	ALKALINITY	P39036	671	-0.28198	0.0001	6
CHROMIUM	0	P01030	CONDUCTANCE	P00095	2282	0.07371	0.0004	6
CHROMIUM	0	P01032	CONDUCTANCE	P00095	228	-0.13552	0.0409	6
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	3102	0.10011	0.0001	6
CHROMIUM	0	P01034	DISSOLVED-OXYGE	P00300	2094	-0.05752	0.0085	6
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	2197	0.06844	0.0013	6
CHROMIUM	0	P01032	DISSOLVED-SOLID	P70301	183	-0.15603	0.0349	6
CHROMIUM	0	P01030	HARDNESS	P00900	2594	0.04776	0.015	6
CHROMIUM	0	P01032	HARDNESS	P00900	229	-0.1688	0.0105	6
CHROMIUM	0	P01034	IRON	P01045	898	0.73348	0.0001	6
CHROMIUM	0	P01030	MANGANESE	P01056	2113	0.0821	0.0002	6
CHROMIUM	0	P01032	MANGANESE	P01056	52	0.39163	0.0041	6
CHROMIUM	0	P01034	MANGANESE	P01055	915	0.70193	0.0001	6
CHROMIUM	0	P01030	MERCURY	P71900	478	0.12642	0.0056	6
CHROMIUM	0	P01034	MERCURY	P71900	1726	0.21532	0.0001	6
CHROMIUM	0	P01030	NICKEL	P01065	1984	0.15899	0.0001	6
CHROMIUM	0	P01030	NICKEL	P01067	285	0.32064	0.0001	6
CHROMIUM	0	P01034	NICKEL	P01067	1591	0.35912	0.0001	6
CHROMIUM	0	P01030	NITRITE	P00613	1889	0.07672	0.0008	6
CHROMIUM	0	P01034	NITRITE	P00615	808	0.1482	0.0001	6
CHROMIUM	0	P01030	PH	P00400	3216	0.16702	0.0001	6
CHROMIUM	0	P01034	PH	P00400	2462	0.10226	0.0001	6
CHROMIUM	0	P01030	SELENIUM	P01145	2003	-0.05944	0.0078	6
CHROMIUM	0	P01030	SELENIUM	P01147	476	0.2554	0.0001	6
CHROMIUM	0	P01034	SELENIUM	P01147	1505	0.13892	0.0001	6
CHROMIUM	0	P01032	TURBIDITY	P00076	228	0.14313	0.0307	6
CHROMIUM	0	P01034	TURBIDITY	P00076	811	0.40553	0.0001	6
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	4400	0.1736	0.0001	6
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	13679	0.08886	0.0001	6
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	5414	0.0609	0.0001	6
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	9520	0.99406	0.0001	6
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	8153	0.11732	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	9754	0.8649	0.0001	6
DISSOLVED-SOLID	0	P70301	PH	P00400	9206	0.12928	0.0001	6
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	1963	-0.18201	0.0001	6
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01097	4	0.96703	0.033	6
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	758	-0.10064	0.0056	6
DISSOLVED-SOLID	500	P70301	ARSENIC	P01002	411	-0.13303	0.0069	6
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	862	-0.17515	0.0001	6
DISSOLVED-SOLID	500	P70301	BARIUM	P01007	215	-0.13513	0.0478	6
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	336	0.7566	0.0001	6
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	760	0.78912	0.0001	6
DISSOLVED-SOLID	500	P70301	CADMIUM	P01027	393	0.7532	0.0001	6
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	760	0.21999	0.0001	6
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	3135	0.99308	0.0001	6
DISSOLVED-SOLID	500	P70301	DISSOLVED-OXYGE	P00300	2301	0.14227	0.0001	6
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	3152	0.84061	0.0001	6
DISSOLVED-SOLID	500	P70301	IRON	P01045	231	-0.13194	0.0452	6
DISSOLVED-SOLID	500	P70301	MERCURY	P71890	604	0.11183	0.0059	6
DISSOLVED-SOLID	500	P70301	MERCURY	P71900	413	0.09829	0.0459	6
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	783	0.63002	0.0001	6
DISSOLVED-SOLID	500	P70301	NICKEL	P01067	329	0.74696	0.0001	6
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	1762	-0.05686	0.017	6
DISSOLVED-SOLID	500	P70301	RADIUM-226	P09511	21	0.67383	0.0008	6
DISSOLVED-SOLID	500	P70301	RADIUM-226	P76001	21	0.58574	0.0053	6
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	980	0.16225	0.0001	6
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	3152	0.7351	0.0001	6
HARDNESS	0	P00900	ALKALINITY	P39036	5437	0.16483	0.0001	6
HARDNESS	0	P00900	CONDUCTANCE	P00095	10236	0.84948	0.0001	6
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	9676	0.15496	0.0001	6
HARDNESS	0	P00900	PH	P00400	10733	0.21784	0.0001	6
HARDNESS	300	P00900	ALKALINITY	P39036	1369	-0.33289	0.0001	6
HARDNESS	300	P00900	ANTIMONY	P01095	95	0.81421	0.0001	6
HARDNESS	300	P00900	ARSENIC	P01002	296	-0.2384	0.0001	6
HARDNESS	300	P00900	BARIUM	P01005	764	-0.30396	0.0001	6
HARDNESS	300	P00900	BARIUM	P01007	212	-0.16127	0.0188	6
HARDNESS	300	P00900	BERYLLIUM	P01010	290	0.70022	0.0001	6
HARDNESS	300	P00900	CADMIUM	P01025	690	0.55242	0.0001	6
HARDNESS	300	P00900	CADMIUM	P01027	321	0.63678	0.0001	6
HARDNESS	300	P00900	CHROMIUM	P01030	690	0.11064	0.0036	6
HARDNESS	300	P00900	CONDUCTANCE	P00095	2382	0.80133	0.0001	6
HARDNESS	300	P00900	DISSOLVED-OXYGE	P00300	1885	0.1621	0.0001	6
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	2302	0.82988	0.0001	6
HARDNESS	300	P00900	IRON	P01045	220	-0.17967	0.0075	6
HARDNESS	300	P00900	MANGANESE	P01055	226	-0.1478	0.0263	6
HARDNESS	300	P00900	MERCURY	P71890	573	0.08524	0.0414	6
HARDNESS	300	P00900	NICKEL	P01065	682	0.7232	0.0001	6
HARDNESS	300	P00900	NICKEL	P01067	246	0.67645	0.0001	6
HARDNESS	300	P00900	NITRATE	P00618	693	-0.1374	0.0003	6
HARDNESS	300	P00900	NITRITE	P00613	1399	-0.06698	0.0122	6
HARDNESS	300	P00900	RADIUM-226	P09511	17	0.84001	0.0001	6
HARDNESS	300	P00900	RADIUM-226	P76001	16	0.80198	0.0002	6
HARDNESS	300	P00900	SELENIUM	P01145	881	0.25706	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
HARDNESS	300	P00900	SULFATE	P00945	2367	0.93118	0.0001	6
IRON	0	P01045	ALKALINITY	P39036	175	-0.19155	0.0111	6
IRON	0	P01046	ALKALINITY	P39036	2826	-0.28711	0.0001	6
IRON	0	P01046	DISSOLVED-OXYGE	P00300	5752	-0.08404	0.0001	6
IRON	0	P01046	HARDNESS	P00900	5814	-0.03852	0.0033	6
IRON	0	P01045	MANGANESE	P01055	1174	0.80263	0.0001	6
IRON	0	P01046	MANGANESE	P01056	5277	0.36451	0.0001	6
IRON	0	P01045	MERCURY	P71900	923	0.28729	0.0001	6
IRON	0	P01045	NICKEL	P01065	280	-0.12173	0.0418	6
IRON	0	P01045	NICKEL	P01067	791	0.24845	0.0001	6
IRON	0	P01046	NICKEL	P01065	2667	0.17814	0.0001	6
IRON	0	P01045	NITRITE	P00615	569	0.61895	0.0001	6
IRON	0	P01045	PH	P00400	1201	0.0567	0.0495	6
IRON	0	P01046	PH	P00400	5868	-0.26817	0.0001	6
IRON	0	P01045	TURBIDITY	P00076	842	0.61183	0.0001	6
IRON	0	P01046	TURBIDITY	P00076	2057	0.0997	0.0001	6
IRON	300	P01045	BARIUM	P01007	146	0.79062	0.0001	6
IRON	300	P01045	BERYLLIUM	P01012	289	0.26534	0.0001	6
IRON	300	P01046	CADMIUM	P01025	76	0.91886	0.0001	6
IRON	300	P01045	CHROMIUM	P01034	613	0.75715	0.0001	6
IRON	300	P01046	HARDNESS	P00900	334	0.19121	0.0004	6
IRON	300	P01045	MANGANESE	P01055	724	0.80128	0.0001	6
IRON	300	P01046	MANGANESE	P01055	23	0.58233	0.0036	6
IRON	300	P01046	MANGANESE	P01056	333	0.31373	0.0001	6
IRON	300	P01045	MERCURY	P71900	599	0.33192	0.0001	6
IRON	300	P01045	NICKEL	P01067	539	0.4429	0.0001	6
IRON	300	P01046	NICKEL	P01065	115	0.91439	0.0001	6
IRON	300	P01045	NITRITE	P00615	399	0.64288	0.0001	6
IRON	300	P01046	NITRITE	P00615	9	0.73236	0.0248	6
IRON	300	P01045	PH	P00400	726	0.09374	0.0115	6
IRON	300	P01046	SELENIUM	P01145	103	0.41804	0.0001	6
IRON	300	P01046	SULFATE	P00945	334	0.26642	0.0001	6
IRON	300	P01045	TURBIDITY	P00076	497	0.55973	0.0001	6
IRON	300	P01046	TURBIDITY	P00076	92	0.31437	0.0023	6
IRON	2500	P01045	ALKALINITY	P39036	22	-0.59447	0.0035	6
IRON	2500	P01046	ALKALINITY	P39036	6	0.8626	0.027	6
IRON	2500	P01045	BARIUM	P01007	56	0.76612	0.0001	6
IRON	2500	P01045	BERYLLIUM	P01012	114	0.70344	0.0001	6
IRON	2500	P01045	CADMIUM	P01027	169	0.42558	0.0001	6
IRON	2500	P01046	CADMIUM	P01025	3	0.99702	0.0492	6
IRON	2500	P01045	CHROMIUM	P01034	176	0.86473	0.0001	6
IRON	2500	P01045	MANGANESE	P01055	193	0.82281	0.0001	6
IRON	2500	P01045	MERCURY	P71900	172	0.79245	0.0001	6
IRON	2500	P01045	NICKEL	P01067	162	0.64698	0.0001	6
IRON	2500	P01045	NITRATE	P00618	68	-0.24434	0.0446	6
IRON	2500	P01045	NITRITE	P00615	105	0.64287	0.0001	6
IRON	2500	P01045	SELENIUM	P01147	155	0.19989	0.0126	6
IRON	2500	P01045	TURBIDITY	P00076	119	0.29251	0.0012	6
MANGANESE	0	P01056	ALKALINITY	P39036	2826	-0.10864	0.0001	6
MANGANESE	0	P01056	CONDUCTANCE	P00095	5469	0.02772	0.0404	6
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	1196	-0.15452	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	5360	-0.28542	0.0001	6
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	5253	0.0298	0.0308	6
MANGANESE	0	P01055	MERCURY	P71900	928	0.27	0.0001	6
MANGANESE	0	P01056	MERCURY	P71890	1408	0.06097	0.0222	6
MANGANESE	0	P01055	NICKEL	P01067	796	0.24462	0.0001	6
MANGANESE	0	P01056	NICKEL	P01065	2684	0.12644	0.0001	6
MANGANESE	0	P01056	NICKEL	P01067	357	0.29083	0.0001	6
MANGANESE	0	P01055	NITRITE	P00615	581	0.17554	0.0001	6
MANGANESE	0	P01055	PH	P00400	1214	-0.11634	0.0001	6
MANGANESE	0	P01056	PH	P00400	5458	-0.16696	0.0001	6
MANGANESE	0	P01055	TURBIDITY	P00076	823	0.26384	0.0001	6
MANGANESE	50	P01056	ARSENIC	P01000	354	0.12297	0.0207	6
MANGANESE	50	P01055	BARIUM	P01007	197	0.78302	0.0001	6
MANGANESE	50	P01056	BARIUM	P01005	510	0.0954	0.0312	6
MANGANESE	50	P01055	BERYLLIUM	P01012	276	0.31337	0.0001	6
MANGANESE	50	P01056	BERYLLIUM	P01010	328	0.12773	0.0207	6
MANGANESE	50	P01055	CADMIUM	P01027	468	0.10085	0.0292	6
MANGANESE	50	P01056	CADMIUM	P01025	403	-0.11473	0.0212	6
MANGANESE	50	P01055	CHROMIUM	P01034	638	0.72833	0.0001	6
MANGANESE	50	P01056	CONDUCTANCE	P00095	1211	-0.07014	0.0146	6
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	790	-0.12684	0.0004	6
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	1203	-0.25086	0.0001	6
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	1144	-0.06741	0.0226	6
MANGANESE	50	P01056	HARDNESS	P00900	1168	-0.07438	0.011	6
MANGANESE	50	P01055	IRON	P01045	784	0.7984	0.0001	6
MANGANESE	50	P01056	IRON	P01046	1186	0.30376	0.0001	6
MANGANESE	50	P01055	MERCURY	P71900	638	0.2861	0.0001	6
MANGANESE	50	P01056	MERCURY	P71890	275	0.11879	0.0491	6
MANGANESE	50	P01055	NICKEL	P01067	563	0.26314	0.0001	6
MANGANESE	50	P01056	NITRATE	P00618	578	-0.13412	0.0012	6
MANGANESE	50	P01055	NITRITE	P00615	391	0.12578	0.0128	6
MANGANESE	50	P01056	NITRITE	P00613	1177	-0.06767	0.0202	6
MANGANESE	50	P01055	PH	P00400	804	-0.14134	0.0001	6
MANGANESE	50	P01056	SULFATE	P00945	1160	-0.07797	0.0079	6
MANGANESE	50	P01055	TURBIDITY	P00076	529	0.17318	0.0001	6
MERCURY	0	P71890	CONDUCTANCE	P00095	1751	0.09813	0.0001	6
MERCURY	0	P71900	CONDUCTANCE	P00095	1883	0.06026	0.0089	6
MERCURY	0	P71890	DISSOLVED-SOLID	P70301	1634	0.09458	0.0001	6
MERCURY	0	P71900	DISSOLVED-SOLID	P70301	1528	0.07526	0.0032	6
MERCURY	0	P71890	HARDNESS	P00900	1752	0.08364	0.0005	6
MERCURY	0	P71900	HARDNESS	P00900	1704	0.07114	0.0033	6
MERCURY	0	P71890	NICKEL	P01065	1454	0.08055	0.0021	6
MERCURY	0	P71890	NICKEL	P01067	428	0.1138	0.0185	6
MERCURY	0	P71900	NICKEL	P01067	1582	0.06648	0.0082	6
MERCURY	0	P71900	NITRITE	P00613	1086	0.09088	0.0027	6
MERCURY	0	P71900	NITRITE	P00615	689	0.11966	0.0017	6
MERCURY	0	P71900	SELENIUM	P01147	1562	0.18136	0.0001	6
MERCURY	0	P71900	THALLIUM	P01059	582	0.27221	0.0001	6
MERCURY	2	P71890	CHROMIUM	P01030	3	-0.99877	0.0316	6
MERCURY	2	P71900	PH	P00400	6	-0.9499	0.0037	6
NICKEL	0	P01065	ALKALINITY	P39036	1154	-0.07305	0.0131	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	0	P01065	CONDUCTANCE	P00095	2810	0.69074	0.0001	6
NICKEL	0	P01067	CONDUCTANCE	P00095	1516	0.74835	0.0001	6
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	2712	0.07917	0.0001	6
NICKEL	0	P01067	DISSOLVED-OXYGE	P00300	1197	0.15629	0.0001	6
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	2693	0.65594	0.0001	6
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	1235	0.74808	0.0001	6
NICKEL	0	P01065	HARDNESS	P00900	2826	0.72176	0.0001	6
NICKEL	0	P01067	HARDNESS	P00900	1408	0.77341	0.0001	6
NICKEL	0	P01065	NITRITE	P00615	284	0.1329	0.0251	6
NICKEL	0	P01067	NITRITE	P00613	823	-0.10768	0.002	6
NICKEL	0	P01067	PH	P00400	1519	0.24177	0.0001	6
NICKEL	0	P01065	SELENIUM	P01145	2541	0.26573	0.0001	6
NICKEL	0	P01065	SELENIUM	P01147	554	0.18315	0.0001	6
NICKEL	0	P01067	SELENIUM	P01145	494	0.18853	0.0001	6
NICKEL	0	P01067	SELENIUM	P01147	1363	0.09765	0.0003	6
NICKEL	0	P01067	THALLIUM	P01059	577	0.18466	0.0001	6
NICKEL	100	P01067	ANTIMONY	P01097	14	0.99586	0.0001	6
NICKEL	100	P01067	BARIUM	P01005	198	-0.19028	0.0073	6
NICKEL	100	P01067	BARIUM	P01007	186	0.26429	0.0003	6
NICKEL	100	P01067	BERYLLIUM	P01010	9	0.67353	0.0467	6
NICKEL	100	P01065	CADMIUM	P01025	58	0.51013	0.0001	6
NICKEL	100	P01065	CADMIUM	P01027	54	0.60861	0.0001	6
NICKEL	100	P01067	CADMIUM	P01025	198	0.50541	0.0001	6
NICKEL	100	P01067	CADMIUM	P01027	201	0.48255	0.0001	6
NICKEL	100	P01065	CHROMIUM	P01030	58	0.33672	0.0098	6
NICKEL	100	P01065	CHROMIUM	P01034	56	0.3156	0.0178	6
NICKEL	100	P01067	CHROMIUM	P01030	198	0.41337	0.0001	6
NICKEL	100	P01067	CHROMIUM	P01034	202	0.61747	0.0001	6
NICKEL	100	P01065	CONDUCTANCE	P00095	57	0.50513	0.0001	6
NICKEL	100	P01067	CONDUCTANCE	P00095	201	0.4072	0.0001	6
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	58	0.39663	0.0021	6
NICKEL	100	P01067	DISSOLVED-SOLID	P70301	199	0.40899	0.0001	6
NICKEL	100	P01067	HARDNESS	P00900	200	0.2432	0.0005	6
NICKEL	100	P01065	IRON	P01046	58	0.2882	0.0282	6
NICKEL	100	P01067	IRON	P01045	200	0.31385	0.0001	6
NICKEL	100	P01067	IRON	P01046	198	0.36623	0.0001	6
NICKEL	100	P01065	MANGANESE	P01055	55	0.47909	0.0002	6
NICKEL	100	P01065	MANGANESE	P01056	58	0.50144	0.0001	6
NICKEL	100	P01067	MANGANESE	P01055	200	0.35083	0.0001	6
NICKEL	100	P01067	MANGANESE	P01056	198	0.38798	0.0001	6
NICKEL	100	P01067	MERCURY	P71900	202	0.3338	0.0001	6
NICKEL	100	P01067	NITRATE	P00618	83	-0.32323	0.0029	6
NICKEL	100	P01065	PH	P00400	58	-0.43811	0.0006	6
NICKEL	100	P01067	PH	P00400	201	-0.29414	0.0001	6
NICKEL	100	P01065	SELENIUM	P01145	56	-0.33151	0.0126	6
NICKEL	100	P01065	SELENIUM	P01147	56	-0.37045	0.0049	6
NICKEL	100	P01067	SELENIUM	P01145	197	-0.14064	0.0487	6
NICKEL	100	P01067	SULFATE	P00945	201	0.20503	0.0035	6
NITRATE	0	P00618	ALKALINITY	P39036	2540	0.30243	0.0001	6
NITRATE	0	P00618	BARIUM	P01005	1252	0.07853	0.0054	6
NITRATE	0	P00618	BERYLLIUM	P01010	861	-0.08048	0.0182	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	BERYLLIUM	P01012	410	0.16434	0.0008	6
NITRATE	0	P00618	CADMIUM	P01025	1020	-0.08124	0.0094	6
NITRATE	0	P00618	CADMIUM	P01027	600	-0.09975	0.0145	6
NITRATE	0	P00618	CHROMIUM	P01030	969	0.13509	0.0001	6
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	3644	0.0466	0.0049	6
NITRATE	0	P00618	MERCURY	P71890	747	0.15497	0.0001	6
NITRATE	0	P00618	NICKEL	P01067	519	-0.16169	0.0002	6
NITRATE	0	P00618	NITRITE	P00613	4548	0.04225	0.0044	6
NITRATE	0	P00618	NITRITE	P00615	227	0.32919	0.0001	6
NITRATE	0	P00618	PH	P00400	4404	-0.03288	0.0291	6
NITRATE	0	P00618	SELENIUM	P01145	1251	0.05778	0.041	6
NITRATE	8	P00618	ARSENIC	P01002	33	-0.34523	0.0491	6
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	151	0.87145	0.0001	6
NITRATE	8	P00618	PH	P00400	157	-0.24534	0.002	6
NITRATE	8	P00618	SELENIUM	P01145	21	0.7355	0.0001	6
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	95	0.88572	0.0001	6
NITRATE	10	P00618	PH	P00400	98	-0.25389	0.0116	6
NITRATE	10	P00618	SELENIUM	P01145	14	0.67686	0.0078	6
NITRITE	0	P00613	ALKALINITY	P39036	4423	0.0404	0.0072	6
NITRITE	0	P00615	ALKALINITY	P39036	156	-0.29387	0.0002	6
NITRITE	0	P00615	CONDUCTANCE	P00095	1826	0.06551	0.0051	6
NITRITE	0	P00615	DISSOLVED-OXYGE	P00300	1756	-0.12472	0.0001	6
NITRITE	0	P00613	PH	P00400	8499	0.06973	0.0001	6
NITRITE	0	P00613	THALLIUM	P01059	394	-0.16669	0.0009	6
PH	0	P00400	ALKALINITY	P39036	5464	0.34466	0.0001	6
PH	0	P00400	CONDUCTANCE	P00095	15184	0.12312	0.0001	6
PH	0	P00400	DISSOLVED-OXYGE	P00300	15881	0.26217	0.0001	6
RADIUM-226	0	P09511	CONDUCTANCE	P00095	161	0.18962	0.016	6
RADIUM-226	0	P76001	CONDUCTANCE	P00095	158	0.19511	0.014	6
RADIUM-226	0	P09511	DISSOLVED-OXYGE	P00300	155	0.16696	0.0379	6
RADIUM-226	0	P76001	DISSOLVED-OXYGE	P00300	150	0.16936	0.0383	6
RADIUM-226	0	P09511	DISSOLVED-SOLID	P70301	159	0.22584	0.0042	6
RADIUM-226	0	P76001	DISSOLVED-SOLID	P70301	157	0.23454	0.0031	6
RADIUM-226	0	P09511	HARDNESS	P00900	159	0.23175	0.0033	6
RADIUM-226	0	P76001	HARDNESS	P00900	157	0.22696	0.0043	6
RADIUM-226	0	P76001	NICKEL	P01065	109	0.19354	0.0438	6
SELENIUM	0	P01145	CONDUCTANCE	P00095	2962	0.14234	0.0001	6
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	2755	0.03824	0.0448	6
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	2718	0.22916	0.0001	6
SELENIUM	0	P01147	DISSOLVED-SOLID	P70301	1361	0.16352	0.0001	6
SELENIUM	0	P01145	HARDNESS	P00900	2851	0.32321	0.0001	6
SELENIUM	0	P01147	HARDNESS	P00900	1483	0.20959	0.0001	6
SELENIUM	0	P01145	PH	P00400	2845	0.05175	0.0058	6
SELENIUM	0	P01147	PH	P00400	1507	-0.05963	0.0206	6
SELENIUM	0	P01147	THALLIUM	P01057	7	-1	0.0001	6
SELENIUM	0	P01147	THALLIUM	P01059	585	0.41813	0.0001	6
SELENIUM	0	P01145	TURBIDITY	P00076	1810	0.06474	0.0059	6
SULFATE	0	P00945	ALKALINITY	P39036	5441	0.08517	0.0001	6
SULFATE	0	P00945	ANTIMONY	P01097	124	-0.24982	0.0051	6
SULFATE	0	P00945	BARIUM	P01005	2708	0.08508	0.0001	6
SULFATE	0	P00945	BERYLLIUM	P01010	1841	0.05397	0.0206	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	BERYLLIUM	P01012	1083	-0.07633	0.012	6
SULFATE	0	P00945	CADMIUM	P01025	3392	0.48464	0.0001	6
SULFATE	0	P00945	CADMIUM	P01027	2196	0.52053	0.0001	6
SULFATE	0	P00945	CHROMIUM	P01030	3235	0.06245	0.0004	6
SULFATE	0	P00945	CHROMIUM	P01034	2351	0.06388	0.0019	6
SULFATE	0	P00945	CONDUCTANCE	P00095	10659	0.75682	0.0001	6
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	11162	0.11322	0.0001	6
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	9754	0.78508	0.0001	6
SULFATE	0	P00945	HARDNESS	P00900	11379	0.9488	0.0001	6
SULFATE	0	P00945	MERCURY	P71890	1695	0.05237	0.0311	6
SULFATE	0	P00945	MERCURY	P71900	1789	0.06256	0.0081	6
SULFATE	0	P00945	NICKEL	P01065	2756	0.71349	0.0001	6
SULFATE	0	P00945	NICKEL	P01067	1446	0.77329	0.0001	6
SULFATE	0	P00945	PH	P00400	12266	0.1876	0.0001	6
SULFATE	0	P00945	RADIUM-226	P09511	159	0.18182	0.0218	6
SULFATE	0	P00945	RADIUM-226	P76001	157	0.19146	0.0163	6
SULFATE	0	P00945	SELENIUM	P01145	2793	0.33918	0.0001	6
SULFATE	0	P00945	SELENIUM	P01147	1521	0.06478	0.0115	6
SULFATE	25	P00945	ALKALINITY	P39036	3857	-0.0697	0.0001	6
SULFATE	25	P00945	ARSENIC	P01002	1096	-0.08995	0.0029	6
SULFATE	25	P00945	BARIUM	P01007	256	-0.12659	0.043	6
SULFATE	25	P00945	BERYLLIUM	P01012	617	0.21138	0.0001	6
SULFATE	25	P00945	CADMIUM	P01025	1991	0.46342	0.0001	6
SULFATE	25	P00945	CADMIUM	P01027	1093	0.62977	0.0001	6
SULFATE	25	P00945	CHROMIUM	P01032	210	-0.15416	0.0255	6
SULFATE	25	P00945	CONDUCTANCE	P00095	6711	0.74024	0.0001	6
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	6099	0.13638	0.0001	6
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	6417	0.77273	0.0001	6
SULFATE	25	P00945	HARDNESS	P00900	6926	0.94696	0.0001	6
SULFATE	25	P00945	IRON	P01045	450	-0.09896	0.0359	6
SULFATE	25	P00945	MANGANESE	P01056	3205	0.06211	0.0004	6
SULFATE	25	P00945	MERCURY	P71890	1357	0.06128	0.024	6
SULFATE	25	P00945	MERCURY	P71900	1023	0.12636	0.0001	6
SULFATE	25	P00945	NICKEL	P01065	1914	0.71524	0.0001	6
SULFATE	25	P00945	NICKEL	P01067	829	0.76826	0.0001	6
SULFATE	25	P00945	NITRATE	P00618	2464	-0.09865	0.0001	6
SULFATE	25	P00945	NITRITE	P00613	4442	-0.0473	0.0016	6
SULFATE	25	P00945	PH	P00400	6803	0.13216	0.0001	6
SULFATE	25	P00945	RADIUM-226	P09511	78	0.60014	0.0001	6
SULFATE	25	P00945	RADIUM-226	P76001	79	0.52525	0.0001	6
SULFATE	25	P00945	SELENIUM	P01145	2098	0.32252	0.0001	6
SULFATE	25	P00945	SELENIUM	P01147	1012	0.24484	0.0001	6
SULFATE	120	P00945	ALKALINITY	P39036	1628	-0.07053	0.0044	6
SULFATE	120	P00945	ARSENIC	P01002	305	-0.35273	0.0001	6
SULFATE	120	P00945	BARIUM	P01005	840	-0.28072	0.0001	6
SULFATE	120	P00945	BARIUM	P01007	210	-0.13898	0.0442	6
SULFATE	120	P00945	BERYLLIUM	P01010	312	0.3004	0.0001	6
SULFATE	120	P00945	BERYLLIUM	P01012	39	0.62384	0.0001	6
SULFATE	120	P00945	CADMIUM	P01025	781	0.3871	0.0001	6
SULFATE	120	P00945	CADMIUM	P01027	296	0.56614	0.0001	6
SULFATE	120	P00945	CHROMIUM	P01030	780	0.09531	0.0077	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	120	P00945	CONDUCTANCE	P00095	2927	0.68577	0.0001	6
SULFATE	120	P00945	DISSOLVED-OXYGE	P00300	2131	0.1188	0.0001	6
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	2877	0.72958	0.0001	6
SULFATE	120	P00945	HARDNESS	P00900	2952	0.93474	0.0001	6
SULFATE	120	P00945	IRON	P01045	228	-0.15342	0.0205	6
SULFATE	120	P00945	MANGANESE	P01055	228	-0.13883	0.0362	6
SULFATE	120	P00945	NICKEL	P01065	759	0.7248	0.0001	6
SULFATE	120	P00945	NICKEL	P01067	222	0.4878	0.0001	6
SULFATE	120	P00945	NITRATE	P00618	758	-0.07463	0.04	6
SULFATE	120	P00945	PH	P00400	2703	0.05152	0.0074	6
SULFATE	120	P00945	RADIUM-226	P09511	27	0.76317	0.0001	6
SULFATE	120	P00945	RADIUM-226	P76001	29	0.52271	0.0036	6
SULFATE	120	P00945	SELENIUM	P01145	982	0.28495	0.0001	6
SULFATE	150	P00945	ALKALINITY	P39036	1516	-0.05111	0.0466	6
SULFATE	150	P00945	ANTIMONY	P01095	116	0.73107	0.0001	6
SULFATE	150	P00945	ARSENIC	P01002	280	-0.3342	0.0001	6
SULFATE	150	P00945	BARIUM	P01005	764	-0.30717	0.0001	6
SULFATE	150	P00945	BARIUM	P01007	208	-0.14457	0.0372	6
SULFATE	150	P00945	BERYLLIUM	P01010	253	0.68945	0.0001	6
SULFATE	150	P00945	BERYLLIUM	P01012	26	0.64508	0.0004	6
SULFATE	150	P00945	CADMIUM	P01025	710	0.3733	0.0001	6
SULFATE	150	P00945	CADMIUM	P01027	279	0.56276	0.0001	6
SULFATE	150	P00945	CHROMIUM	P01030	710	0.12018	0.0013	6
SULFATE	150	P00945	CONDUCTANCE	P00095	2681	0.67698	0.0001	6
SULFATE	150	P00945	DISSOLVED-OXYGE	P00300	1902	0.10509	0.0001	6
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	2634	0.72227	0.0001	6
SULFATE	150	P00945	HARDNESS	P00900	2699	0.93248	0.0001	6
SULFATE	150	P00945	IRON	P01045	218	-0.17047	0.0117	6
SULFATE	150	P00945	MANGANESE	P01055	218	-0.15588	0.0213	6
SULFATE	150	P00945	NICKEL	P01065	682	0.72252	0.0001	6
SULFATE	150	P00945	NICKEL	P01067	209	0.41867	0.0001	6
SULFATE	150	P00945	PH	P00400	2455	0.05339	0.0082	6
SULFATE	150	P00945	RADIUM-226	P09511	26	0.76173	0.0001	6
SULFATE	150	P00945	RADIUM-226	P76001	27	0.58332	0.0014	6
SULFATE	150	P00945	SELENIUM	P01145	910	0.28803	0.0001	6
SULFATE	250	P00945	ALKALINITY	P39036	1100	-0.06093	0.0434	6
SULFATE	250	P00945	ANTIMONY	P01095	83	0.70627	0.0001	6
SULFATE	250	P00945	ARSENIC	P01000	534	0.20934	0.0001	6
SULFATE	250	P00945	ARSENIC	P01002	244	-0.27679	0.0001	6
SULFATE	250	P00945	BARIUM	P01005	578	-0.3263	0.0001	6
SULFATE	250	P00945	BARIUM	P01007	206	-0.15018	0.0312	6
SULFATE	250	P00945	BERYLLIUM	P01010	133	0.64624	0.0001	6
SULFATE	250	P00945	CADMIUM	P01025	537	0.31967	0.0001	6
SULFATE	250	P00945	CADMIUM	P01027	246	0.53878	0.0001	6
SULFATE	250	P00945	CHROMIUM	P01030	537	0.17437	0.0001	6
SULFATE	250	P00945	CONDUCTANCE	P00095	1962	0.64041	0.0001	6
SULFATE	250	P00945	DISSOLVED-OXYGE	P00300	1402	0.07472	0.0051	6
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	1925	0.69162	0.0001	6
SULFATE	250	P00945	HARDNESS	P00900	1970	0.92276	0.0001	6
SULFATE	250	P00945	IRON	P01045	207	-0.1831	0.0083	6
SULFATE	250	P00945	MANGANESE	P01055	207	-0.16854	0.0152	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	250	P00945	NICKEL	P01065	498	0.70989	0.0001	6
SULFATE	250	P00945	NICKEL	P01067	190	0.40237	0.0001	6
SULFATE	250	P00945	NITRATE	P00618	458	-0.11384	0.0148	6
SULFATE	250	P00945	NITRITE	P00613	960	-0.08201	0.011	6
SULFATE	250	P00945	PH	P00400	1756	0.05537	0.0203	6
SULFATE	250	P00945	RADIUM-226	P09511	13	0.67512	0.0113	6
SULFATE	250	P00945	RADIUM-226	P76001	14	0.56027	0.0372	6
SULFATE	250	P00945	SELENIUM	P01145	707	0.24529	0.0001	6
SULFATE	500	P00945	ALKALINITY	P39036	633	-0.27204	0.0001	6
SULFATE	500	P00945	ANTIMONY	P01095	24	0.62778	0.001	6
SULFATE	500	P00945	ARSENIC	P01000	361	0.32434	0.0001	6
SULFATE	500	P00945	ARSENIC	P01002	212	-0.2359	0.0005	6
SULFATE	500	P00945	BARIUM	P01005	351	-0.31515	0.0001	6
SULFATE	500	P00945	BERYLLIUM	P01010	28	0.5487	0.0025	6
SULFATE	500	P00945	CADMIUM	P01025	361	0.20438	0.0001	6
SULFATE	500	P00945	CADMIUM	P01027	212	0.52589	0.0001	6
SULFATE	500	P00945	CHROMIUM	P01030	361	0.25401	0.0001	6
SULFATE	500	P00945	CONDUCTANCE	P00095	1167	0.54657	0.0001	6
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	1147	0.61092	0.0001	6
SULFATE	500	P00945	HARDNESS	P00900	1175	0.89525	0.0001	6
SULFATE	500	P00945	IRON	P01045	186	-0.17845	0.0148	6
SULFATE	500	P00945	MANGANESE	P01055	186	-0.1632	0.026	6
SULFATE	500	P00945	NICKEL	P01065	288	0.6496	0.0001	6
SULFATE	500	P00945	NICKEL	P01067	163	0.35464	0.0001	6
SULFATE	500	P00945	NITRATE	P00618	234	-0.21317	0.001	6
SULFATE	500	P00945	NITRITE	P00613	511	-0.1491	0.0007	6
SULFATE	500	P00945	PH	P00400	1020	0.09547	0.0023	6
SULFATE	500	P00945	SELENIUM	P01145	461	0.143	0.0021	6
SULFATE	500	P00945	TURBIDITY	P00076	191	-0.16508	0.0225	6
THALLIUM	0	P01059	ALKALINITY	P39036	410	0.14598	0.003	6
THALLIUM	0	P01059	CONDUCTANCE	P00095	551	-0.23703	0.0001	6
THALLIUM	0	P01059	DISSOLVED-OXYGE	P00300	265	0.20724	0.0007	6
THALLIUM	0	P01059	DISSOLVED-SOLID	P70301	502	0.14013	0.0016	6
THALLIUM	0	P01059	HARDNESS	P00900	508	0.16995	0.0001	6
THALLIUM	0	P01059	PH	P00400	560	-0.11904	0.0048	6
THALLIUM	2	P01059	ALKALINITY	P39036	410	0.14598	0.003	6
THALLIUM	2	P01059	ANTIMONY	P01097	74	0.9993	0.0001	6
THALLIUM	2	P01059	ARSENIC	P01002	585	0.52018	0.0001	6
THALLIUM	2	P01059	CADMIUM	P01027	583	0.84071	0.0001	6
THALLIUM	2	P01059	CONDUCTANCE	P00095	551	-0.23703	0.0001	6
THALLIUM	2	P01059	DISSOLVED-OXYGE	P00300	265	0.20724	0.0007	6
THALLIUM	2	P01059	DISSOLVED-SOLID	P70301	502	0.14013	0.0016	6
THALLIUM	2	P01059	HARDNESS	P00900	508	0.16995	0.0001	6
THALLIUM	2	P01059	MERCURY	P71900	582	0.27221	0.0001	6
THALLIUM	2	P01059	NICKEL	P01067	577	0.18466	0.0001	6
THALLIUM	2	P01059	NITRITE	P00613	394	-0.16669	0.0009	6
THALLIUM	2	P01057	PH	P00400	7	-0.7689	0.0433	6
THALLIUM	2	P01059	PH	P00400	560	-0.11904	0.0048	6
THALLIUM	2	P01057	SELENIUM	P01145	7	-1	0.0001	6
THALLIUM	2	P01057	SELENIUM	P01147	7	-1	0.0001	6
THALLIUM	2	P01059	SELENIUM	P01147	585	0.41813	0.0001	6

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
URANIUM-235	0	P22620	URANIUM-238	P22603	10	0.96775	0.0001	6
URANIUM-238	5	P22603	MANGANESE	P01055	3	-0.99893	0.0294	6
ALKALINITY	0	P39036	CONDUCTANCE	P00095	157	0.41414	0.0001	7
ALKALINITY	0	P39036	TURBIDITY	P00076	82	-0.43126	0.0001	7
ANTIMONY	0	P01095	BARIUM	P01005	194	0.42575	0.0001	7
ANTIMONY	0	P01095	BARIUM	P01007	19	0.55271	0.0141	7
ANTIMONY	0	P01097	BARIUM	P01005	166	0.75968	0.0001	7
ANTIMONY	0	P01097	BARIUM	P01007	137	0.52106	0.0001	7
ANTIMONY	0	P01095	BERYLLIUM	P01012	19	0.7844	0.0001	7
ANTIMONY	0	P01097	BERYLLIUM	P01010	166	0.86088	0.0001	7
ANTIMONY	0	P01095	CADMIUM	P01025	194	-0.60346	0.0001	7
ANTIMONY	0	P01097	CADMIUM	P01025	61	-0.62992	0.0001	7
ANTIMONY	0	P01097	CADMIUM	P01027	87	0.68023	0.0001	7
ANTIMONY	0	P01095	CHROMIUM	P01030	194	0.19649	0.006	7
ANTIMONY	0	P01095	CHROMIUM	P01034	19	-0.47344	0.0406	7
ANTIMONY	0	P01097	CHROMIUM	P01034	198	0.25713	0.0003	7
ANTIMONY	0	P01095	CONDUCTANCE	P00095	197	0.20519	0.0038	7
ANTIMONY	0	P01097	CONDUCTANCE	P00095	210	0.45131	0.0001	7
ANTIMONY	0	P01095	CYANIDE	P00720	19	0.54229	0.0165	7
ANTIMONY	0	P01097	CYANIDE	P00720	196	0.15532	0.0297	7
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	162	-0.32805	0.0001	7
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	156	0.44153	0.0001	7
ANTIMONY	0	P01095	HARDNESS	P00900	194	0.1461	0.0421	7
ANTIMONY	0	P01095	IRON	P01045	19	0.72126	0.0005	7
ANTIMONY	0	P01097	IRON	P01045	167	0.43203	0.0001	7
ANTIMONY	0	P01097	MANGANESE	P01055	167	0.29979	0.0001	7
ANTIMONY	0	P01097	MERCURY	P71890	8	-1	0.0001	7
ANTIMONY	0	P01095	NICKEL	P01067	19	0.50715	0.0267	7
ANTIMONY	0	P01097	NICKEL	P01065	61	-0.70816	0.0001	7
ANTIMONY	0	P01097	NICKEL	P01067	197	0.16755	0.0186	7
ANTIMONY	0	P01095	NITRITE	P00613	178	0.18761	0.0122	7
ANTIMONY	0	P01095	NITRITE	P00615	19	-0.56798	0.0112	7
ANTIMONY	0	P01095	PH	P00400	194	-0.2292	0.0013	7
ANTIMONY	0	P01095	SELENIUM	P01147	19	0.60639	0.0059	7
ANTIMONY	0	P01097	SELENIUM	P01147	198	0.61108	0.0001	7
ANTIMONY	0	P01097	THALLIUM	P01059	192	0.83671	0.0001	7
ARSENIC	0	P01000	ANTIMONY	P01095	193	0.21749	0.0024	7
ARSENIC	0	P01000	ANTIMONY	P01097	23	0.77437	0.0001	7
ARSENIC	0	P01002	ANTIMONY	P01095	22	0.60277	0.003	7
ARSENIC	0	P01002	ANTIMONY	P01097	223	0.34779	0.0001	7
ARSENIC	0	P01000	BARIUM	P01005	379	0.338	0.0001	7
ARSENIC	0	P01000	BARIUM	P01007	19	0.81781	0.0001	7
ARSENIC	0	P01002	BARIUM	P01005	218	0.39941	0.0001	7
ARSENIC	0	P01002	BARIUM	P01007	335	0.70352	0.0001	7
ARSENIC	0	P01000	BERYLLIUM	P01010	443	0.20485	0.0001	7
ARSENIC	0	P01000	BERYLLIUM	P01012	19	0.86617	0.0001	7
ARSENIC	0	P01002	BERYLLIUM	P01010	218	0.23452	0.0005	7
ARSENIC	0	P01000	CADMIUM	P01025	481	-0.24629	0.0001	7
ARSENIC	0	P01002	CADMIUM	P01025	115	-0.3167	0.0006	7
ARSENIC	0	P01000	CHROMIUM	P01034	21	-0.47508	0.0295	7
ARSENIC	0	P01002	CHROMIUM	P01030	220	0.23197	0.0005	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	0	P01002	CHROMIUM	P01034	584	0.59232	0.0001	7
ARSENIC	0	P01000	CONDUCTANCE	P00095	505	0.3196	0.0001	7
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	415	-0.2037	0.0001	7
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	479	-0.1045	0.0222	7
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	383	0.48962	0.0001	7
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	189	0.15627	0.0318	7
ARSENIC	0	P01000	HARDNESS	P00900	502	0.25872	0.0001	7
ARSENIC	0	P01002	HARDNESS	P00900	326	0.1164	0.0357	7
ARSENIC	0	P01000	IRON	P01045	21	0.61302	0.0031	7
ARSENIC	0	P01002	IRON	P01045	505	0.70642	0.0001	7
ARSENIC	0	P01000	MANGANESE	P01055	22	0.59154	0.0037	7
ARSENIC	0	P01000	MANGANESE	P01056	455	0.12524	0.0075	7
ARSENIC	0	P01002	MANGANESE	P01055	505	0.35825	0.0001	7
ARSENIC	0	P01002	MANGANESE	P01056	210	0.3283	0.0001	7
ARSENIC	0	P01002	MERCURY	P71900	466	0.26131	0.0001	7
ARSENIC	0	P01000	NICKEL	P01067	21	0.60759	0.0035	7
ARSENIC	0	P01002	NICKEL	P01065	113	-0.39254	0.0001	7
ARSENIC	0	P01002	NICKEL	P01067	557	0.53376	0.0001	7
ARSENIC	0	P01000	NITRATE	P00618	202	0.14919	0.0341	7
ARSENIC	0	P01002	NITRITE	P00615	97	0.22649	0.0257	7
ARSENIC	0	P01000	PH	P00400	501	0.09619	0.0313	7
ARSENIC	0	P01000	SELENIUM	P01145	469	0.09663	0.0364	7
ARSENIC	0	P01000	SELENIUM	P01147	19	0.81309	0.0001	7
ARSENIC	0	P01002	SELENIUM	P01147	566	0.17478	0.0001	7
ARSENIC	0	P01000	SULFATE	P00945	420	0.32198	0.0001	7
ARSENIC	0	P01000	THALLIUM	P01059	25	0.74703	0.0001	7
ARSENIC	0	P01002	THALLIUM	P01057	55	0.55419	0.0001	7
ARSENIC	2	P01000	ANTIMONY	P01097	19	0.72867	0.0004	7
ARSENIC	2	P01002	ANTIMONY	P01095	22	0.60277	0.003	7
ARSENIC	2	P01000	BARIUM	P01007	19	0.81781	0.0001	7
ARSENIC	2	P01002	BARIUM	P01007	281	0.68315	0.0001	7
ARSENIC	2	P01000	BERYLLIUM	P01010	215	0.19591	0.0039	7
ARSENIC	2	P01000	BERYLLIUM	P01012	19	0.86617	0.0001	7
ARSENIC	2	P01000	CADMIUM	P01025	243	-0.16105	0.0119	7
ARSENIC	2	P01002	CADMIUM	P01025	48	-0.58498	0.0001	7
ARSENIC	2	P01000	CHROMIUM	P01034	19	-0.66587	0.0019	7
ARSENIC	2	P01002	CHROMIUM	P01034	443	0.61883	0.0001	7
ARSENIC	2	P01000	CONDUCTANCE	P00095	248	0.17371	0.0061	7
ARSENIC	2	P01002	CONDUCTANCE	P00095	447	-0.09379	0.0475	7
ARSENIC	2	P01002	DISSOLVED-OXYGE	P00300	362	-0.13042	0.013	7
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	164	0.31368	0.0001	7
ARSENIC	2	P01000	IRON	P01045	19	0.58033	0.0092	7
ARSENIC	2	P01002	IRON	P01045	377	0.73781	0.0001	7
ARSENIC	2	P01000	MANGANESE	P01055	19	0.5844	0.0086	7
ARSENIC	2	P01002	MANGANESE	P01055	377	0.35276	0.0001	7
ARSENIC	2	P01002	MANGANESE	P01056	142	0.30202	0.0003	7
ARSENIC	2	P01002	MERCURY	P71900	327	0.15573	0.0048	7
ARSENIC	2	P01000	NICKEL	P01067	19	0.47943	0.0378	7
ARSENIC	2	P01002	NICKEL	P01065	47	-0.79142	0.0001	7
ARSENIC	2	P01002	NICKEL	P01067	416	0.59671	0.0001	7
ARSENIC	2	P01000	NITRATE	P00618	126	0.24496	0.0057	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01002	NITRITE	P00615	31	-0.36109	0.046	7
ARSENIC	2	P01000	PH	P00400	251	0.12625	0.0457	7
ARSENIC	2	P01000	SELENIUM	P01147	19	0.81309	0.0001	7
ARSENIC	2	P01000	THALLIUM	P01057	41	-0.40552	0.0085	7
ARSENIC	2	P01002	THALLIUM	P01057	52	0.52883	0.0001	7
ARSENIC	5	P01002	BARIUM	P01007	121	0.76172	0.0001	7
ARSENIC	5	P01002	CADMIUM	P01025	19	-0.63919	0.0032	7
ARSENIC	5	P01002	CHROMIUM	P01034	176	0.74632	0.0001	7
ARSENIC	5	P01002	CONDUCTANCE	P00095	177	-0.21563	0.0039	7
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	148	-0.2721	0.0008	7
ARSENIC	5	P01002	IRON	P01045	158	0.79945	0.0001	7
ARSENIC	5	P01002	MANGANESE	P01055	158	0.34297	0.0001	7
ARSENIC	5	P01002	MANGANESE	P01056	66	0.2875	0.0192	7
ARSENIC	5	P01002	MERCURY	P71900	111	0.20868	0.028	7
ARSENIC	5	P01002	NICKEL	P01065	19	-0.78427	0.0001	7
ARSENIC	5	P01002	NICKEL	P01067	164	0.74574	0.0001	7
ARSENIC	5	P01002	PH	P00400	173	-0.36113	0.0001	7
ARSENIC	5	P01000	SELENIUM	P01145	85	0.44039	0.0001	7
ARSENIC	5	P01002	THALLIUM	P01057	23	0.6817	0.0003	7
ARSENIC	10	P01002	ANTIMONY	P01097	14	-0.75487	0.0018	7
ARSENIC	10	P01000	BARIUM	P01005	9	-0.86746	0.0024	7
ARSENIC	10	P01002	BARIUM	P01007	20	0.801	0.0001	7
ARSENIC	10	P01002	CADMIUM	P01027	33	0.47982	0.0047	7
ARSENIC	10	P01002	CHROMIUM	P01034	42	0.80592	0.0001	7
ARSENIC	10	P01000	CONDUCTANCE	P00095	9	0.9149	0.0005	7
ARSENIC	10	P01002	CONDUCTANCE	P00095	43	-0.32957	0.0309	7
ARSENIC	10	P01000	DISSOLVED-SOLID	P70301	7	0.9235	0.003	7
ARSENIC	10	P01002	IRON	P01045	36	0.87675	0.0001	7
ARSENIC	10	P01002	NICKEL	P01067	40	0.74853	0.0001	7
ARSENIC	10	P01000	NITRATE	P00618	3	1	0.001	7
ARSENIC	10	P01000	PH	P00400	9	0.68907	0.0401	7
ARSENIC	10	P01000	SELENIUM	P01145	9	0.82509	0.0062	7
ARSENIC	10	P01000	SULFATE	P00945	9	0.86573	0.0026	7
BARIUM	0	P01005	ALKALINITY	P39036	78	0.38982	0.0004	7
BARIUM	0	P01005	BERYLLIUM	P01010	585	0.18824	0.0001	7
BARIUM	0	P01005	CADMIUM	P01025	479	-0.28894	0.0001	7
BARIUM	0	P01005	CADMIUM	P01027	108	-0.18989	0.049	7
BARIUM	0	P01007	CADMIUM	P01025	81	-0.61759	0.0001	7
BARIUM	0	P01005	CHROMIUM	P01030	587	0.27855	0.0001	7
BARIUM	0	P01007	CHROMIUM	P01034	335	0.51906	0.0001	7
BARIUM	0	P01005	CONDUCTANCE	P00095	939	0.36308	0.0001	7
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	310	-0.18398	0.0011	7
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	798	0.17506	0.0001	7
BARIUM	0	P01007	DISSOLVED-SOLID	P70301	85	0.34689	0.0011	7
BARIUM	0	P01005	HARDNESS	P00900	939	0.21769	0.0001	7
BARIUM	0	P01007	IRON	P01045	307	0.72846	0.0001	7
BARIUM	0	P01007	IRON	P01046	175	-0.19424	0.01	7
BARIUM	0	P01005	MANGANESE	P01055	191	0.30146	0.0001	7
BARIUM	0	P01005	MANGANESE	P01056	944	0.38541	0.0001	7
BARIUM	0	P01007	MANGANESE	P01055	307	0.59149	0.0001	7
BARIUM	0	P01007	MANGANESE	P01056	175	0.15805	0.0367	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	MERCURY	P71900	116	0.31528	0.0006	7
BARIUM	0	P01007	MERCURY	P71900	214	0.39345	0.0001	7
BARIUM	0	P01005	NICKEL	P01065	845	-0.16191	0.0001	7
BARIUM	0	P01005	NICKEL	P01067	217	-0.63854	0.0001	7
BARIUM	0	P01007	NICKEL	P01065	79	-0.59694	0.0001	7
BARIUM	0	P01007	NICKEL	P01067	317	0.29834	0.0001	7
BARIUM	0	P01007	NITRITE	P00613	244	-0.14544	0.0231	7
BARIUM	0	P01005	PH	P00400	939	-0.07131	0.0289	7
BARIUM	0	P01005	SELENIUM	P01145	743	0.11144	0.0023	7
BARIUM	0	P01005	SELENIUM	P01147	216	0.22822	0.0007	7
BARIUM	0	P01007	SELENIUM	P01147	333	0.10762	0.0497	7
BARIUM	0	P01005	THALLIUM	P01059	165	0.74722	0.0001	7
BARIUM	0	P01007	THALLIUM	P01059	136	0.43784	0.0001	7
BARIUM	0	P01005	TURBIDITY	P00076	485	0.18735	0.0001	7
BARIUM	0	P01007	TURBIDITY	P00076	52	0.47585	0.0004	7
BERYLLIUM	0	P01010	ALKALINITY	P39036	27	-0.47384	0.0125	7
BERYLLIUM	0	P01010	CADMIUM	P01025	543	0.37584	0.0001	7
BERYLLIUM	0	P01010	CADMIUM	P01027	108	0.85879	0.0001	7
BERYLLIUM	0	P01012	CADMIUM	P01025	113	0.68617	0.0001	7
BERYLLIUM	0	P01010	CHROMIUM	P01030	651	0.09276	0.0179	7
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	644	0.23096	0.0001	7
BERYLLIUM	0	P01012	HARDNESS	P00900	275	-0.32363	0.0001	7
BERYLLIUM	0	P01012	IRON	P01045	224	0.41367	0.0001	7
BERYLLIUM	0	P01010	MANGANESE	P01056	640	-0.10109	0.0105	7
BERYLLIUM	0	P01012	MANGANESE	P01055	224	0.56161	0.0001	7
BERYLLIUM	0	P01010	MERCURY	P71900	167	-0.36162	0.0001	7
BERYLLIUM	0	P01012	MERCURY	P71900	184	0.33715	0.0001	7
BERYLLIUM	0	P01012	NICKEL	P01065	111	0.30977	0.0009	7
BERYLLIUM	0	P01012	NICKEL	P01067	298	0.14297	0.0135	7
BERYLLIUM	0	P01012	NITRITE	P00613	167	0.18766	0.0152	7
BERYLLIUM	0	P01012	PH	P00400	277	-0.30031	0.0001	7
BERYLLIUM	0	P01010	SELENIUM	P01145	440	0.15392	0.0012	7
BERYLLIUM	0	P01010	SELENIUM	P01147	216	0.4148	0.0001	7
BERYLLIUM	0	P01012	SELENIUM	P01147	303	-0.16243	0.0046	7
BERYLLIUM	0	P01010	THALLIUM	P01057	39	-0.55102	0.0003	7
BERYLLIUM	0	P01010	THALLIUM	P01059	165	0.7886	0.0001	7
BERYLLIUM	0	P01012	THALLIUM	P01057	49	-0.99432	0.0001	7
BERYLLIUM	0	P01012	THALLIUM	P01059	217	0.65731	0.0001	7
BERYLLIUM	4	P01012	BARIUM	P01007	4	1	0.0001	7
BERYLLIUM	4	P01012	CADMIUM	P01027	79	-0.32109	0.0039	7
BERYLLIUM	4	P01012	CYANIDE	P00720	60	0.62123	0.0001	7
BERYLLIUM	4	P01012	SELENIUM	P01147	85	-0.62006	0.0001	7
CADMIUM	0	P01027	CONDUCTANCE	P00095	882	0.5079	0.0001	7
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	952	0.07988	0.0137	7
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	628	0.51982	0.0001	7
CADMIUM	0	P01025	IRON	P01046	1029	0.11705	0.0002	7
CADMIUM	0	P01027	IRON	P01046	575	0.21438	0.0001	7
CADMIUM	0	P01025	MERCURY	P71900	613	-0.0877	0.0299	7
CADMIUM	0	P01025	NICKEL	P01065	553	0.51432	0.0001	7
CADMIUM	0	P01025	NICKEL	P01067	115	0.67227	0.0001	7
CADMIUM	0	P01027	NICKEL	P01065	102	0.67758	0.0001	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	0	P01027	NICKEL	P01067	337	0.18983	0.0005	7
CADMIUM	0	P01025	NITRITE	P00615	591	-0.15079	0.0002	7
CADMIUM	0	P01025	PH	P00400	1039	0.08291	0.0075	7
CADMIUM	0	P01025	SELENIUM	P01145	450	-0.13123	0.0053	7
CADMIUM	0	P01025	SELENIUM	P01147	112	0.27144	0.0038	7
CADMIUM	0	P01027	SELENIUM	P01147	355	0.27718	0.0001	7
CADMIUM	0	P01025	THALLIUM	P01057	41	0.94587	0.0001	7
CADMIUM	0	P01025	THALLIUM	P01059	61	-0.7451	0.0001	7
CADMIUM	0	P01027	THALLIUM	P01059	100	0.76489	0.0001	7
CADMIUM	0	P01025	TURBIDITY	P00076	118	-0.23389	0.0108	7
CADMIUM	5	P01027	CONDUCTANCE	P00095	8	0.88044	0.0039	7
CADMIUM	5	P01027	DISSOLVED-SOLID	P70301	8	0.8706	0.0049	7
CADMIUM	5	P01027	MANGANESE	P01056	6	0.95411	0.0031	7
CADMIUM	5	P01027	SULFATE	P00945	9	0.86504	0.0026	7
CHROMIUM	0	P01030	ALKALINITY	P39036	27	0.43988	0.0217	7
CHROMIUM	0	P01030	CONDUCTANCE	P00095	675	0.09223	0.0165	7
CHROMIUM	0	P01034	DISSOLVED-OXYGE	P00300	503	-0.1543	0.0005	7
CHROMIUM	0	P01034	HARDNESS	P00900	330	-0.11706	0.0335	7
CHROMIUM	0	P01034	IRON	P01045	508	0.71111	0.0001	7
CHROMIUM	0	P01034	MANGANESE	P01055	508	0.39936	0.0001	7
CHROMIUM	0	P01034	MANGANESE	P01056	210	0.16612	0.016	7
CHROMIUM	0	P01034	MERCURY	P71900	459	0.12801	0.006	7
CHROMIUM	0	P01030	NICKEL	P01065	553	0.16043	0.0002	7
CHROMIUM	0	P01030	NICKEL	P01067	219	-0.24882	0.0002	7
CHROMIUM	0	P01034	NICKEL	P01067	559	0.65866	0.0001	7
CHROMIUM	0	P01030	NITRITE	P00615	134	0.39075	0.0001	7
CHROMIUM	0	P01034	NITRITE	P00615	107	0.53321	0.0001	7
CHROMIUM	0	P01030	THALLIUM	P01057	41	0.54735	0.0002	7
CHROMIUM	0	P01030	THALLIUM	P01059	165	0.33907	0.0001	7
CHROMIUM	0	P01034	THALLIUM	P01057	49	0.3379	0.0176	7
CHROMIUM	0	P01030	TURBIDITY	P00076	118	-0.28696	0.0016	7
CYANIDE	0	P00723	CONDUCTANCE	P00095	18	0.54192	0.0202	7
CYANIDE	0	P00723	DISSOLVED-OXYGE	P00300	17	0.63632	0.006	7
CYANIDE	0	P00723	HARDNESS	P00900	18	0.52267	0.0261	7
CYANIDE	0	P00720	MERCURY	P71900	391	-0.61771	0.0001	7
DISSOLVED-OXYGE	0	P00300	TURBIDITY	P00076	924	0.1123	0.0006	7
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	116	0.7339	0.0001	7
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	2589	0.8786	0.0001	7
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	2657	0.53078	0.0001	7
DISSOLVED-SOLID	0	P70301	PH	P00400	2606	0.10222	0.0001	7
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	29	0.80958	0.0001	7
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	72	0.25509	0.0306	7
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	67	0.65837	0.0001	7
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	82	0.35751	0.001	7
DISSOLVED-SOLID	500	P70301	CADMIUM	P01027	42	0.8726	0.0001	7
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	402	0.82131	0.0001	7
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	417	0.29042	0.0001	7
DISSOLVED-SOLID	500	P70301	IRON	P01046	269	0.17113	0.0049	7
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	113	-0.31809	0.0006	7
DISSOLVED-SOLID	500	P70301	NICKEL	P01067	15	0.97221	0.0001	7
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	338	0.39007	0.0001	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	500	P70301	RADON	P76002	11	0.62849	0.0384	7
DISSOLVED-SOLID	500	P70301	RADON	P82303	11	0.76264	0.0063	7
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	114	0.90735	0.0001	7
DISSOLVED-SOLID	500	P70301	SELENIUM	P01147	32	0.47851	0.0056	7
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	417	0.41655	0.0001	7
DISSOLVED-SOLID	500	P70301	THALLIUM	P01059	8	0.99998	0.0001	7
HARDNESS	0	P00900	ALKALINITY	P39036	117	0.79924	0.0001	7
HARDNESS	0	P00900	CONDUCTANCE	P00095	3137	0.48458	0.0001	7
HARDNESS	0	P00900	PH	P00400	3170	0.19791	0.0001	7
HARDNESS	0	P00900	TURBIDITY	P00076	705	-0.07919	0.0355	7
HARDNESS	300	P00900	BARIUM	P01005	117	-0.23231	0.0117	7
HARDNESS	300	P00900	CONDUCTANCE	P00095	542	0.19327	0.0001	7
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	422	0.28417	0.0001	7
HARDNESS	300	P00900	MERCURY	P71900	51	0.36333	0.0088	7
HARDNESS	300	P00900	NITRATE	P00618	350	-0.12032	0.0244	7
HARDNESS	300	P00900	RADIUM-226	P76001	3	-1	0.0001	7
HARDNESS	300	P00900	RADON	P76002	8	0.72789	0.0406	7
HARDNESS	300	P00900	RADON	P82303	8	0.76148	0.0281	7
HARDNESS	300	P00900	SELENIUM	P01145	127	0.92151	0.0001	7
HARDNESS	300	P00900	SULFATE	P00945	517	0.91692	0.0001	7
IRON	0	P01046	ALKALINITY	P39036	114	-0.39567	0.0001	7
IRON	0	P01045	CONDUCTANCE	P00095	574	-0.13579	0.0011	7
IRON	0	P01046	CONDUCTANCE	P00095	2810	-0.11173	0.0001	7
IRON	0	P01045	DISSOLVED-OXYGE	P00300	536	-0.08876	0.04	7
IRON	0	P01046	DISSOLVED-SOLID	P70301	2299	-0.07909	0.0001	7
IRON	0	P01045	HARDNESS	P00900	277	-0.28518	0.0001	7
IRON	0	P01046	HARDNESS	P00900	2770	-0.14638	0.0001	7
IRON	0	P01045	MANGANESE	P01055	592	0.49809	0.0001	7
IRON	0	P01046	MANGANESE	P01055	329	0.19419	0.0004	7
IRON	0	P01046	MANGANESE	P01056	2832	0.18054	0.0001	7
IRON	0	P01045	MERCURY	P71900	413	0.12767	0.0094	7
IRON	0	P01045	NICKEL	P01067	480	0.75726	0.0001	7
IRON	0	P01046	NICKEL	P01065	913	0.09361	0.0046	7
IRON	0	P01046	NICKEL	P01067	209	0.24906	0.0003	7
IRON	0	P01046	NITRITE	P00613	2062	0.04897	0.0262	7
IRON	0	P01046	NITRITE	P00615	664	0.12863	0.0009	7
IRON	0	P01045	PH	P00400	575	-0.16288	0.0001	7
IRON	0	P01046	PH	P00400	2829	-0.23658	0.0001	7
IRON	0	P01046	SELENIUM	P01147	206	0.21539	0.0019	7
IRON	0	P01045	THALLIUM	P01057	46	-0.35056	0.0169	7
IRON	0	P01045	THALLIUM	P01059	140	0.19745	0.0194	7
IRON	0	P01045	TURBIDITY	P00076	151	0.72137	0.0001	7
IRON	300	P01045	ANTIMONY	P01095	19	0.72126	0.0005	7
IRON	300	P01045	ANTIMONY	P01097	118	0.35968	0.0001	7
IRON	300	P01046	ANTIMONY	P01095	3	0.99902	0.0283	7
IRON	300	P01045	ARSENIC	P01000	21	0.61302	0.0031	7
IRON	300	P01045	ARSENIC	P01002	380	0.69912	0.0001	7
IRON	300	P01045	BARIUM	P01007	258	0.74287	0.0001	7
IRON	300	P01045	BERYLLIUM	P01012	172	0.4276	0.0001	7
IRON	300	P01045	CHROMIUM	P01034	381	0.7244	0.0001	7
IRON	300	P01045	CONDUCTANCE	P00095	417	-0.18747	0.0001	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01045	DISSOLVED-OXYGE	P00300	382	-0.14733	0.0039	7
IRON	300	P01045	HARDNESS	P00900	196	-0.39358	0.0001	7
IRON	300	P01045	MANGANESE	P01055	431	0.47763	0.0001	7
IRON	300	P01045	MERCURY	P71900	294	0.11504	0.0488	7
IRON	300	P01045	NICKEL	P01067	359	0.75502	0.0001	7
IRON	300	P01045	PH	P00400	417	-0.23856	0.0001	7
IRON	300	P01045	SELENIUM	P01147	372	-0.10742	0.0384	7
IRON	300	P01045	SULFATE	P00945	411	-0.19238	0.0001	7
IRON	300	P01045	THALLIUM	P01057	42	-0.41713	0.006	7
IRON	300	P01045	TURBIDITY	P00076	101	0.631	0.0001	7
IRON	2500	P01045	ANTIMONY	P01097	51	0.42391	0.0019	7
IRON	2500	P01045	ARSENIC	P01000	9	-0.73185	0.025	7
IRON	2500	P01045	ARSENIC	P01002	138	0.66314	0.0001	7
IRON	2500	P01045	BARIUM	P01005	38	-0.37915	0.0189	7
IRON	2500	P01045	BARIUM	P01007	82	0.80987	0.0001	7
IRON	2500	P01045	BERYLLIUM	P01012	62	0.33684	0.0074	7
IRON	2500	P01045	CADMIUM	P01027	97	0.26715	0.0082	7
IRON	2500	P01045	CHROMIUM	P01034	139	0.80266	0.0001	7
IRON	2500	P01045	CONDUCTANCE	P00095	135	-0.32542	0.0001	7
IRON	2500	P01045	HARDNESS	P00900	60	-0.56798	0.0001	7
IRON	2500	P01045	MANGANESE	P01055	146	0.41249	0.0001	7
IRON	2500	P01045	NICKEL	P01067	133	0.77304	0.0001	7
IRON	2500	P01045	PH	P00400	136	-0.2442	0.0042	7
IRON	2500	P01045	SULFATE	P00945	139	-0.24602	0.0035	7
IRON	2500	P01045	THALLIUM	P01057	26	-0.43549	0.0262	7
MANGANESE	0	P01056	CONDUCTANCE	P00095	2786	0.1377	0.0001	7
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	2286	0.09964	0.0001	7
MANGANESE	0	P01056	HARDNESS	P00900	2741	0.14886	0.0001	7
MANGANESE	0	P01055	NICKEL	P01065	114	-0.28071	0.0025	7
MANGANESE	0	P01055	NICKEL	P01067	480	0.40834	0.0001	7
MANGANESE	0	P01056	NICKEL	P01067	209	-0.15597	0.0241	7
MANGANESE	0	P01055	NITRITE	P00615	205	0.34575	0.0001	7
MANGANESE	0	P01056	NITRITE	P00615	666	0.19124	0.0001	7
MANGANESE	0	P01055	PH	P00400	659	-0.13371	0.0006	7
MANGANESE	0	P01056	PH	P00400	2802	-0.10365	0.0001	7
MANGANESE	0	P01055	THALLIUM	P01057	46	-0.31298	0.0342	7
MANGANESE	0	P01055	THALLIUM	P01059	140	0.22837	0.0067	7
MANGANESE	0	P01056	THALLIUM	P01059	154	0.21294	0.008	7
MANGANESE	0	P01055	TURBIDITY	P00076	151	0.25269	0.0017	7
MANGANESE	0	P01056	TURBIDITY	P00076	605	-0.09114	0.025	7
MANGANESE	50	P01056	ALKALINITY	P39036	22	0.42267	0.05	7
MANGANESE	50	P01055	ANTIMONY	P01097	111	0.20282	0.0328	7
MANGANESE	50	P01055	ARSENIC	P01000	21	0.53683	0.0121	7
MANGANESE	50	P01055	ARSENIC	P01002	432	0.33747	0.0001	7
MANGANESE	50	P01056	ARSENIC	P01002	38	0.56865	0.0002	7
MANGANESE	50	P01055	BARIUM	P01005	131	0.21576	0.0133	7
MANGANESE	50	P01055	BARIUM	P01007	278	0.6115	0.0001	7
MANGANESE	50	P01056	BARIUM	P01005	203	0.50165	0.0001	7
MANGANESE	50	P01056	BARIUM	P01007	37	0.36944	0.0244	7
MANGANESE	50	P01055	BERYLLIUM	P01012	165	0.51983	0.0001	7
MANGANESE	50	P01055	CADMIUM	P01025	117	-0.24976	0.0066	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01055	CHROMIUM	P01034	434	0.38842	0.0001	7
MANGANESE	50	P01056	CONDUCTANCE	P00095	605	0.11662	0.0041	7
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	520	-0.09465	0.0309	7
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	454	0.10831	0.021	7
MANGANESE	50	P01056	HARDNESS	P00900	598	0.12394	0.0024	7
MANGANESE	50	P01055	IRON	P01045	491	0.48244	0.0001	7
MANGANESE	50	P01055	IRON	P01046	223	0.14986	0.0252	7
MANGANESE	50	P01056	IRON	P01046	615	0.135	0.0008	7
MANGANESE	50	P01055	NICKEL	P01065	72	-0.54516	0.0001	7
MANGANESE	50	P01055	NICKEL	P01067	407	0.39978	0.0001	7
MANGANESE	50	P01056	NITRATE	P00618	317	-0.16855	0.0026	7
MANGANESE	50	P01055	NITRITE	P00615	90	0.29928	0.0042	7
MANGANESE	50	P01055	PH	P00400	519	-0.10966	0.0124	7
MANGANESE	50	P01056	PH	P00400	606	-0.08791	0.0305	7
MANGANESE	50	P01055	SELENIUM	P01147	421	-0.10153	0.0373	7
MANGANESE	50	P01055	SULFATE	P00945	504	-0.10905	0.0143	7
MANGANESE	50	P01055	THALLIUM	P01057	46	-0.31298	0.0342	7
MANGANESE	50	P01055	THALLIUM	P01059	84	-0.23395	0.0322	7
MANGANESE	50	P01056	TURBIDITY	P00076	180	-0.16211	0.0297	7
MERCURY	0	P71900	CONDUCTANCE	P00095	975	0.09409	0.0033	7
MERCURY	0	P71890	NICKEL	P01067	10	0.67735	0.0314	7
MERCURY	0	P71900	NICKEL	P01065	182	-0.37609	0.0001	7
MERCURY	0	P71900	NICKEL	P01067	435	-0.10137	0.0345	7
MERCURY	0	P71900	TURBIDITY	P00076	83	0.44573	0.0001	7
MERCURY	2	P71900	DISSOLVED-OXYGE	P00300	3	-0.99718	0.0479	7
NICKEL	0	P01065	CONDUCTANCE	P00095	906	-0.07	0.0352	7
NICKEL	0	P01067	CONDUCTANCE	P00095	538	-0.0891	0.0388	7
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	806	-0.07049	0.0454	7
NICKEL	0	P01067	HARDNESS	P00900	297	-0.23076	0.0001	7
NICKEL	0	P01065	THALLIUM	P01057	42	0.33056	0.0325	7
NICKEL	0	P01065	THALLIUM	P01059	61	-0.9826	0.0001	7
NICKEL	0	P01067	THALLIUM	P01057	49	-0.32587	0.0223	7
NICKEL	0	P01067	THALLIUM	P01059	210	0.24412	0.0004	7
NICKEL	0	P01067	TURBIDITY	P00076	69	0.27788	0.0208	7
NITRATE	0	P00618	ANTIMONY	P01095	90	-0.22971	0.0294	7
NITRATE	0	P00618	BARIUM	P01005	507	-0.14666	0.0009	7
NITRATE	0	P00618	BARIUM	P01007	256	-0.15539	0.0128	7
NITRATE	0	P00618	BERYLLIUM	P01010	263	-0.20308	0.0009	7
NITRATE	0	P00618	BERYLLIUM	P01012	173	0.17936	0.0182	7
NITRATE	0	P00618	CADMIUM	P01025	183	0.19019	0.0099	7
NITRATE	0	P00618	CHROMIUM	P01030	287	-0.28545	0.0001	7
NITRATE	0	P00618	CONDUCTANCE	P00095	2511	-0.0427	0.0324	7
NITRATE	0	P00618	HARDNESS	P00900	1562	0.17857	0.0001	7
NITRATE	0	P00618	IRON	P01046	1418	-0.11019	0.0001	7
NITRATE	0	P00618	MANGANESE	P01056	1383	-0.11797	0.0001	7
NITRATE	0	P00618	NITRITE	P00613	2542	0.1512	0.0001	7
NITRATE	0	P00618	PH	P00400	2514	0.05815	0.0035	7
NITRATE	0	P00618	THALLIUM	P01059	140	0.22178	0.0085	7
NITRATE	8	P00618	CONDUCTANCE	P00095	232	-0.27122	0.0001	7
NITRATE	8	P00618	PH	P00400	226	-0.14013	0.0353	7
NITRITE	0	P00613	ALKALINITY	P39036	81	-0.27616	0.0126	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00615	ALKALINITY	P39036	82	-0.35616	0.001	7
NITRITE	0	P00613	CONDUCTANCE	P00095	3628	0.2267	0.0001	7
NITRITE	0	P00615	CONDUCTANCE	P00095	2007	0.17817	0.0001	7
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	1901	0.4397	0.0001	7
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	653	0.23444	0.0001	7
NITRITE	0	P00613	HARDNESS	P00900	2226	0.08786	0.0001	7
NITRITE	0	P00615	HARDNESS	P00900	765	0.08031	0.0263	7
NITRITE	0	P00613	PH	P00400	3631	-0.06537	0.0001	7
NITRITE	0	P00613	THALLIUM	P01059	131	0.21636	0.0131	7
NITRITE	0	P00615	THALLIUM	P01057	19	0.71358	0.0006	7
NITRITE	0	P00613	TURBIDITY	P00076	659	0.23864	0.0001	7
NITRITE	0	P00615	TURBIDITY	P00076	271	0.75263	0.0001	7
PH	0	P00400	ALKALINITY	P39036	157	0.42942	0.0001	7
PH	0	P00400	CONDUCTANCE	P00095	10988	0.18597	0.0001	7
PH	0	P00400	DISSOLVED-OXYGE	P00300	5843	0.02576	0.049	7
PH	0	P00400	TURBIDITY	P00076	969	-0.13613	0.0001	7
RADON	0	P76002	DISSOLVED-SOLID	P70301	17	0.51774	0.0333	7
RADON	0	P82303	DISSOLVED-SOLID	P70301	17	0.67517	0.0029	7
RADON	0	P76002	HARDNESS	P00900	23	0.7322	0.0001	7
RADON	0	P82303	HARDNESS	P00900	23	0.66155	0.0006	7
RADON	0	P76002	NITRATE	P00618	33	0.51029	0.0024	7
RADON	0	P82303	NITRATE	P00618	33	0.59591	0.0003	7
RADON	0	P76002	PH	P00400	50	-0.36658	0.0088	7
RADON	0	P82303	PH	P00400	50	-0.64126	0.0001	7
RADON	100	P82303	NITRITE	P00613	22	-0.44921	0.036	7
SELENIUM	0	P01145	ALKALINITY	P39036	78	0.46481	0.0001	7
SELENIUM	0	P01145	CONDUCTANCE	P00095	828	0.43239	0.0001	7
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	732	0.46314	0.0001	7
SELENIUM	0	P01145	HARDNESS	P00900	837	0.44019	0.0001	7
SELENIUM	0	P01145	PH	P00400	832	0.09415	0.0066	7
SELENIUM	0	P01147	PH	P00400	539	0.10864	0.0116	7
SELENIUM	0	P01145	THALLIUM	P01057	35	0.71743	0.0001	7
SELENIUM	0	P01147	THALLIUM	P01057	50	0.35962	0.0103	7
SULFATE	0	P00945	ALKALINITY	P39036	118	0.52617	0.0001	7
SULFATE	0	P00945	BARIUM	P01007	331	-0.16826	0.0021	7
SULFATE	0	P00945	CADMIUM	P01027	808	0.09426	0.0073	7
SULFATE	0	P00945	CONDUCTANCE	P00095	3295	0.4822	0.0001	7
SULFATE	0	P00945	CYANIDE	P00723	18	0.69051	0.0015	7
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	2656	0.60481	0.0001	7
SULFATE	0	P00945	HARDNESS	P00900	2998	0.83826	0.0001	7
SULFATE	0	P00945	IRON	P01045	548	-0.15026	0.0004	7
SULFATE	0	P00945	IRON	P01046	2647	-0.05074	0.009	7
SULFATE	0	P00945	MERCURY	P71890	120	0.18139	0.0474	7
SULFATE	0	P00945	MERCURY	P71900	911	0.34358	0.0001	7
SULFATE	0	P00945	NICKEL	P01067	544	-0.17211	0.0001	7
SULFATE	0	P00945	NITRITE	P00613	2434	0.06794	0.0008	7
SULFATE	0	P00945	NITRITE	P00615	702	0.19759	0.0001	7
SULFATE	0	P00945	PH	P00400	3341	0.129	0.0001	7
SULFATE	0	P00945	RADON	P82303	23	0.45227	0.0303	7
SULFATE	0	P00945	SELENIUM	P01145	773	0.47232	0.0001	7
SULFATE	0	P00945	THALLIUM	P01059	209	0.2851	0.0001	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	ALKALINITY	P39036	73	0.43484	0.0001	7
SULFATE	25	P00945	ANTIMONY	P01095	109	-0.2299	0.0162	7
SULFATE	25	P00945	ANTIMONY	P01097	127	-0.36984	0.0001	7
SULFATE	25	P00945	ARSENIC	P01000	237	0.15117	0.0199	7
SULFATE	25	P00945	BARIUM	P01005	552	-0.08455	0.0471	7
SULFATE	25	P00945	BARIUM	P01007	289	-0.1237	0.0356	7
SULFATE	25	P00945	BERYLLIUM	P01010	336	-0.11334	0.0379	7
SULFATE	25	P00945	BERYLLIUM	P01012	182	0.20753	0.0049	7
SULFATE	25	P00945	CADMIUM	P01025	371	-0.21101	0.0001	7
SULFATE	25	P00945	CHROMIUM	P01030	356	-0.11016	0.0378	7
SULFATE	25	P00945	CONDUCTANCE	P00095	1802	0.40804	0.0001	7
SULFATE	25	P00945	CYANIDE	P00723	13	0.68757	0.0094	7
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1268	0.55608	0.0001	7
SULFATE	25	P00945	HARDNESS	P00900	1502	0.864	0.0001	7
SULFATE	25	P00945	IRON	P01045	426	-0.18483	0.0001	7
SULFATE	25	P00945	MERCURY	P71890	106	0.2091	0.0315	7
SULFATE	25	P00945	MERCURY	P71900	436	0.31235	0.0001	7
SULFATE	25	P00945	NICKEL	P01065	476	-0.09222	0.0443	7
SULFATE	25	P00945	NICKEL	P01067	410	-0.19057	0.0001	7
SULFATE	25	P00945	NITRATE	P00618	1234	-0.0629	0.0271	7
SULFATE	25	P00945	PH	P00400	1819	0.08627	0.0002	7
SULFATE	25	P00945	RADON	P82303	23	0.45227	0.0303	7
SULFATE	25	P00945	SELENIUM	P01145	436	0.45096	0.0001	7
SULFATE	25	P00945	THALLIUM	P01059	113	0.41911	0.0001	7
SULFATE	120	P00945	ANTIMONY	P01097	17	0.66123	0.0038	7
SULFATE	120	P00945	ARSENIC	P01002	157	0.18441	0.0208	7
SULFATE	120	P00945	CADMIUM	P01027	121	0.46023	0.0001	7
SULFATE	120	P00945	CONDUCTANCE	P00095	672	0.279	0.0001	7
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	457	0.42695	0.0001	7
SULFATE	120	P00945	HARDNESS	P00900	522	0.93488	0.0001	7
SULFATE	120	P00945	IRON	P01045	153	-0.19224	0.0173	7
SULFATE	120	P00945	IRON	P01046	337	0.17186	0.0015	7
SULFATE	120	P00945	MERCURY	P71900	172	-0.32359	0.0001	7
SULFATE	120	P00945	PH	P00400	682	0.09396	0.0141	7
SULFATE	120	P00945	RADON	P82303	22	0.48774	0.0213	7
SULFATE	120	P00945	SELENIUM	P01145	147	0.39399	0.0001	7
SULFATE	120	P00945	SELENIUM	P01147	158	0.24487	0.0019	7
SULFATE	120	P00945	THALLIUM	P01057	16	0.78102	0.0004	7
SULFATE	150	P00945	ANTIMONY	P01097	13	0.61924	0.024	7
SULFATE	150	P00945	ARSENIC	P01002	103	0.32998	0.0007	7
SULFATE	150	P00945	CADMIUM	P01027	83	0.54132	0.0001	7
SULFATE	150	P00945	CONDUCTANCE	P00095	558	0.25762	0.0001	7
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	401	0.41204	0.0001	7
SULFATE	150	P00945	HARDNESS	P00900	458	0.9375	0.0001	7
SULFATE	150	P00945	IRON	P01046	300	0.23647	0.0001	7
SULFATE	150	P00945	MERCURY	P71900	114	-0.33259	0.0003	7
SULFATE	150	P00945	RADON	P82303	20	0.53805	0.0144	7
SULFATE	150	P00945	SELENIUM	P01145	128	0.38309	0.0001	7
SULFATE	150	P00945	SELENIUM	P01147	103	0.22595	0.0217	7
SULFATE	150	P00945	THALLIUM	P01057	11	0.92852	0.0001	7
SULFATE	250	P00945	CADMIUM	P01027	8	0.87324	0.0046	7

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	250	P00945	CHROMIUM	P01034	10	0.84913	0.0019	7
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	173	0.31462	0.0001	7
SULFATE	250	P00945	HARDNESS	P00900	182	0.94977	0.0001	7
SULFATE	250	P00945	IRON	P01045	8	0.80859	0.0151	7
SULFATE	250	P00945	IRON	P01046	116	0.28635	0.0018	7
SULFATE	250	P00945	MANGANESE	P01055	8	-0.77885	0.0228	7
SULFATE	250	P00945	SELENIUM	P01145	42	0.91386	0.0001	7
SULFATE	500	P00945	CONDUCTANCE	P00095	24	0.63389	0.0009	7
SULFATE	500	P00945	HARDNESS	P00900	24	0.95733	0.0001	7
SULFATE	500	P00945	NICKEL	P01065	14	-0.65349	0.0113	7
SULFATE	500	P00945	NITRITE	P00613	21	0.56552	0.0075	7
SULFATE	500	P00945	PH	P00400	23	-0.41468	0.0491	7
SULFATE	500	P00945	SELENIUM	P01145	14	0.88638	0.0001	7
THALLIUM	0	P01057	CONDUCTANCE	P00095	71	0.31215	0.008	7
THALLIUM	0	P01059	CONDUCTANCE	P00095	229	0.71676	0.0001	7
THALLIUM	0	P01057	DISSOLVED-OXYGE	P00300	54	-0.37319	0.0054	7
THALLIUM	0	P01057	DISSOLVED-SOLID	P70301	34	0.4898	0.0033	7
THALLIUM	0	P01059	DISSOLVED-SOLID	P70301	87	0.79962	0.0001	7
THALLIUM	2	P01059	BERYLLIUM	P01012	172	0.62719	0.0001	7
THALLIUM	2	P01059	CADMIUM	P01027	55	0.80346	0.0001	7
THALLIUM	2	P01059	CONDUCTANCE	P00095	161	0.70583	0.0001	7
THALLIUM	2	P01059	DISSOLVED-SOLID	P70301	49	0.88583	0.0001	7
THALLIUM	2	P01059	HARDNESS	P00900	154	-0.17085	0.0341	7
THALLIUM	2	P01059	NICKEL	P01067	165	0.32633	0.0001	7
THALLIUM	2	P01059	NITRATE	P00618	140	0.22178	0.0085	7
THALLIUM	2	P01059	NITRITE	P00613	131	0.21636	0.0131	7
THALLIUM	2	P01059	SULFATE	P00945	165	0.23412	0.0025	7
ALKALINITY	0	P39036	CONDUCTANCE	P00095	148	0.70942	0.0001	8
ANTIMONY	0	P01095	BARIUM	P01005	774	0.12307	0.0006	8
ANTIMONY	0	P01097	BARIUM	P01007	31	0.83435	0.0001	8
ANTIMONY	0	P01095	BERYLLIUM	P01010	756	-0.08139	0.0252	8
ANTIMONY	0	P01095	BERYLLIUM	P01012	89	-0.33766	0.0012	8
ANTIMONY	0	P01097	BERYLLIUM	P01012	38	-0.76144	0.0001	8
ANTIMONY	0	P01097	CADMIUM	P01025	26	-0.73175	0.0001	8
ANTIMONY	0	P01097	CADMIUM	P01027	39	0.98173	0.0001	8
ANTIMONY	0	P01095	CHROMIUM	P01030	774	0.21981	0.0001	8
ANTIMONY	0	P01095	CONDUCTANCE	P00095	739	0.26085	0.0001	8
ANTIMONY	0	P01097	CONDUCTANCE	P00095	71	-0.32704	0.0054	8
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	560	0.28559	0.0001	8
ANTIMONY	0	P01097	DISSOLVED-OXYGE	P00300	56	0.41464	0.0015	8
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	646	0.31204	0.0001	8
ANTIMONY	0	P01095	HARDNESS	P00900	733	0.37486	0.0001	8
ANTIMONY	0	P01095	IRON	P01045	373	0.10519	0.0423	8
ANTIMONY	0	P01097	IRON	P01045	68	0.76573	0.0001	8
ANTIMONY	0	P01095	MANGANESE	P01055	337	0.15769	0.0037	8
ANTIMONY	0	P01097	MANGANESE	P01055	28	0.71347	0.0001	8
ANTIMONY	0	P01095	MERCURY	P71900	251	0.16192	0.0102	8
ANTIMONY	0	P01095	NICKEL	P01065	758	0.39149	0.0001	8
ANTIMONY	0	P01095	NICKEL	P01067	270	0.15315	0.0117	8
ANTIMONY	0	P01095	NITRITE	P00613	526	0.08939	0.0404	8
ANTIMONY	0	P01095	NITRITE	P00615	5	0.99713	0.0002	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	0	P01097	NITRITE	P00613	23	0.49426	0.0165	8
ANTIMONY	0	P01095	PH	P00400	723	0.20374	0.0001	8
ANTIMONY	0	P01097	PH	P00400	74	-0.70365	0.0001	8
ANTIMONY	0	P01095	SELENIUM	P01147	235	0.24298	0.0002	8
ANTIMONY	0	P01097	SELENIUM	P01147	76	0.99384	0.0001	8
ANTIMONY	0	P01097	THALLIUM	P01059	11	0.8581	0.0007	8
ANTIMONY	6	P01095	ARSENIC	P01000	38	0.64142	0.0001	8
ANTIMONY	6	P01097	BERYLLIUM	P01012	11	-0.99933	0.0001	8
ANTIMONY	6	P01097	CADMIUM	P01025	8	-0.91188	0.0016	8
ANTIMONY	6	P01097	CADMIUM	P01027	12	0.95777	0.0001	8
ANTIMONY	6	P01097	CHROMIUM	P01034	11	-0.86904	0.0005	8
ANTIMONY	6	P01095	CONDUCTANCE	P00095	37	-0.4266	0.0085	8
ANTIMONY	6	P01095	DISSOLVED-OXYGE	P00300	29	-0.37219	0.0468	8
ANTIMONY	6	P01095	SELENIUM	P01145	35	-0.36037	0.0335	8
ANTIMONY	6	P01097	SELENIUM	P01147	11	0.9993	0.0001	8
ARSENIC	0	P01000	ANTIMONY	P01095	633	0.68199	0.0001	8
ARSENIC	0	P01002	ANTIMONY	P01095	359	0.31419	0.0001	8
ARSENIC	0	P01002	BARIUM	P01007	417	0.28987	0.0001	8
ARSENIC	0	P01000	BERYLLIUM	P01010	1391	0.24346	0.0001	8
ARSENIC	0	P01002	BERYLLIUM	P01012	456	-0.135	0.0039	8
ARSENIC	0	P01000	CADMIUM	P01025	3033	0.09222	0.0001	8
ARSENIC	0	P01002	CADMIUM	P01027	1541	0.1462	0.0001	8
ARSENIC	0	P01000	CHROMIUM	P01030	2178	0.27781	0.0001	8
ARSENIC	0	P01002	CHROMIUM	P01030	508	0.21256	0.0001	8
ARSENIC	0	P01002	CHROMIUM	P01034	749	0.25409	0.0001	8
ARSENIC	0	P01000	CYANIDE	P00723	179	0.33012	0.0001	8
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	3356	0.14661	0.0001	8
ARSENIC	0	P01000	HARDNESS	P00900	4327	0.10239	0.0001	8
ARSENIC	0	P01000	IRON	P01046	3963	0.1998	0.0001	8
ARSENIC	0	P01002	IRON	P01045	1606	0.54048	0.0001	8
ARSENIC	0	P01000	MANGANESE	P01055	1110	0.09124	0.0023	8
ARSENIC	0	P01000	MANGANESE	P01056	3932	0.18098	0.0001	8
ARSENIC	0	P01002	MANGANESE	P01055	1322	0.72579	0.0001	8
ARSENIC	0	P01000	NICKEL	P01065	1666	0.10978	0.0001	8
ARSENIC	0	P01002	NICKEL	P01065	454	0.20246	0.0001	8
ARSENIC	0	P01002	NICKEL	P01067	699	0.45073	0.0001	8
ARSENIC	0	P01000	NITRITE	P00613	1837	0.063	0.0069	8
ARSENIC	0	P01000	PH	P00400	4375	0.06006	0.0001	8
ARSENIC	0	P01000	SELENIUM	P01145	3135	0.05141	0.004	8
ARSENIC	0	P01000	SULFATE	P00945	3968	0.17164	0.0001	8
ARSENIC	0	P01002	THALLIUM	P01057	10	0.97531	0.0001	8
ARSENIC	0	P01002	THALLIUM	P01059	22	-0.5672	0.0059	8
ARSENIC	2	P01000	ANTIMONY	P01095	288	0.63897	0.0001	8
ARSENIC	2	P01002	ANTIMONY	P01095	213	0.2834	0.0001	8
ARSENIC	2	P01000	BARIUM	P01005	817	-0.06889	0.049	8
ARSENIC	2	P01002	BARIUM	P01007	206	0.42808	0.0001	8
ARSENIC	2	P01000	BERYLLIUM	P01010	552	0.1727	0.0001	8
ARSENIC	2	P01000	CADMIUM	P01025	1738	0.09411	0.0001	8
ARSENIC	2	P01002	CADMIUM	P01027	1095	0.14119	0.0001	8
ARSENIC	2	P01000	CHROMIUM	P01030	949	0.24211	0.0001	8
ARSENIC	2	P01002	CHROMIUM	P01030	267	0.19631	0.0013	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01002	CHROMIUM	P01034	442	0.30612	0.0001	8
ARSENIC	2	P01000	CYANIDE	P00723	162	0.31132	0.0001	8
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	2253	0.13793	0.0001	8
ARSENIC	2	P01000	HARDNESS	P00900	2798	0.11918	0.0001	8
ARSENIC	2	P01000	IRON	P01046	2555	0.22516	0.0001	8
ARSENIC	2	P01002	IRON	P01045	1200	0.65287	0.0001	8
ARSENIC	2	P01000	MANGANESE	P01055	784	0.08595	0.0161	8
ARSENIC	2	P01000	MANGANESE	P01056	2535	0.21158	0.0001	8
ARSENIC	2	P01002	MANGANESE	P01055	936	0.78174	0.0001	8
ARSENIC	2	P01002	NICKEL	P01065	257	0.20138	0.0012	8
ARSENIC	2	P01002	NICKEL	P01067	405	0.49387	0.0001	8
ARSENIC	2	P01000	NITRITE	P00613	1202	0.10621	0.0002	8
ARSENIC	2	P01000	NITRITE	P00615	15	-0.56353	0.0287	8
ARSENIC	2	P01000	SELENIUM	P01145	1900	0.15885	0.0001	8
ARSENIC	2	P01000	SELENIUM	P01147	225	0.41995	0.0001	8
ARSENIC	2	P01000	SULFATE	P00945	2524	0.1919	0.0001	8
ARSENIC	2	P01000	THALLIUM	P01057	17	-0.51217	0.0356	8
ARSENIC	2	P01002	THALLIUM	P01059	14	-0.59049	0.0262	8
ARSENIC	5	P01000	ANTIMONY	P01095	151	0.54073	0.0001	8
ARSENIC	5	P01002	ANTIMONY	P01095	175	0.26585	0.0004	8
ARSENIC	5	P01000	BARIUM	P01005	432	-0.11115	0.0208	8
ARSENIC	5	P01002	BARIUM	P01007	81	0.73882	0.0001	8
ARSENIC	5	P01002	BERYLLIUM	P01010	170	-0.15655	0.0415	8
ARSENIC	5	P01000	CADMIUM	P01025	1061	0.10869	0.0004	8
ARSENIC	5	P01002	CADMIUM	P01027	805	0.13622	0.0001	8
ARSENIC	5	P01000	CHROMIUM	P01030	496	0.20548	0.0001	8
ARSENIC	5	P01002	CHROMIUM	P01030	188	0.18725	0.0101	8
ARSENIC	5	P01002	CHROMIUM	P01034	237	0.36548	0.0001	8
ARSENIC	5	P01000	CONDUCTANCE	P00095	1660	-0.05446	0.0265	8
ARSENIC	5	P01000	DISSOLVED-OXYGE	P00300	771	0.0798	0.0267	8
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	1116	0.10715	0.0003	8
ARSENIC	5	P01000	HARDNESS	P00900	1506	0.0851	0.0009	8
ARSENIC	5	P01000	IRON	P01046	1381	0.22389	0.0001	8
ARSENIC	5	P01002	IRON	P01045	863	0.7644	0.0001	8
ARSENIC	5	P01000	MANGANESE	P01056	1377	0.20174	0.0001	8
ARSENIC	5	P01002	MANGANESE	P01055	743	0.8518	0.0001	8
ARSENIC	5	P01002	NICKEL	P01065	178	0.18363	0.0141	8
ARSENIC	5	P01002	NICKEL	P01067	204	0.5173	0.0001	8
ARSENIC	5	P01000	NITRITE	P00613	516	0.13114	0.0028	8
ARSENIC	5	P01000	NITRITE	P00615	10	-0.85096	0.0018	8
ARSENIC	5	P01000	SELENIUM	P01145	861	0.18046	0.0001	8
ARSENIC	5	P01000	SELENIUM	P01147	112	0.4599	0.0001	8
ARSENIC	5	P01000	SULFATE	P00945	1318	0.16096	0.0001	8
ARSENIC	5	P01002	THALLIUM	P01059	12	-0.70515	0.0104	8
ARSENIC	5	P01000	TURBIDITY	P00076	58	-0.27442	0.0371	8
ARSENIC	10	P01000	ANTIMONY	P01095	115	0.45499	0.0001	8
ARSENIC	10	P01002	ANTIMONY	P01095	140	0.23958	0.0044	8
ARSENIC	10	P01002	BARIUM	P01007	30	0.88441	0.0001	8
ARSENIC	10	P01002	BERYLLIUM	P01012	29	0.41542	0.025	8
ARSENIC	10	P01000	CADMIUM	P01025	553	0.14634	0.0006	8
ARSENIC	10	P01002	CADMIUM	P01027	562	0.14195	0.0007	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	10	P01000	CHROMIUM	P01030	317	0.22289	0.0001	8
ARSENIC	10	P01002	CHROMIUM	P01034	148	0.37794	0.0001	8
ARSENIC	10	P01000	CONDUCTANCE	P00095	843	-0.11267	0.0011	8
ARSENIC	10	P01000	IRON	P01046	627	0.21799	0.0001	8
ARSENIC	10	P01002	IRON	P01045	591	0.7913	0.0001	8
ARSENIC	10	P01000	MANGANESE	P01056	625	0.19361	0.0001	8
ARSENIC	10	P01002	MANGANESE	P01055	543	0.87625	0.0001	8
ARSENIC	10	P01002	NICKEL	P01067	118	0.55683	0.0001	8
ARSENIC	10	P01000	NITRITE	P00613	193	0.14438	0.0452	8
ARSENIC	10	P01000	SELENIUM	P01145	354	0.10537	0.0476	8
ARSENIC	10	P01000	SULFATE	P00945	588	0.09819	0.0172	8
ARSENIC	10	P01002	THALLIUM	P01059	5	1	0.0001	8
ARSENIC	10	P01000	TURBIDITY	P00076	30	-0.38852	0.0339	8
ARSENIC	20	P01000	ANTIMONY	P01095	74	0.38656	0.0007	8
ARSENIC	20	P01002	ANTIMONY	P01095	104	0.21558	0.028	8
ARSENIC	20	P01000	BERYLLIUM	P01010	101	0.37226	0.0001	8
ARSENIC	20	P01000	CADMIUM	P01025	194	0.17186	0.0166	8
ARSENIC	20	P01002	CADMIUM	P01027	255	0.19196	0.0021	8
ARSENIC	20	P01000	CHROMIUM	P01030	138	0.18853	0.0268	8
ARSENIC	20	P01002	CHROMIUM	P01034	87	0.41223	0.0001	8
ARSENIC	20	P01000	CONDUCTANCE	P00095	417	-0.15337	0.0017	8
ARSENIC	20	P01000	IRON	P01046	234	0.19603	0.0026	8
ARSENIC	20	P01002	IRON	P01045	270	0.84115	0.0001	8
ARSENIC	20	P01000	MANGANESE	P01056	232	0.16403	0.0124	8
ARSENIC	20	P01002	MANGANESE	P01055	256	0.91866	0.0001	8
ARSENIC	20	P01002	MERCURY	P71900	89	0.2325	0.0283	8
ARSENIC	20	P01000	NICKEL	P01067	24	-0.40498	0.0496	8
ARSENIC	20	P01002	NICKEL	P01067	59	0.76925	0.0001	8
ARSENIC	20	P01000	TURBIDITY	P00076	18	-0.63183	0.0049	8
BARIUM	0	P01005	ALKALINITY	P39036	108	0.20066	0.0373	8
BARIUM	0	P01005	BERYLLIUM	P01010	1821	0.26625	0.0001	8
BARIUM	0	P01005	BERYLLIUM	P01012	154	0.21217	0.0083	8
BARIUM	0	P01005	CADMIUM	P01025	2181	0.29418	0.0001	8
BARIUM	0	P01005	CADMIUM	P01027	504	-0.09207	0.0388	8
BARIUM	0	P01007	CADMIUM	P01027	428	0.21479	0.0001	8
BARIUM	0	P01005	CHROMIUM	P01030	2192	0.10503	0.0001	8
BARIUM	0	P01007	CHROMIUM	P01034	429	0.93635	0.0001	8
BARIUM	0	P01005	CONDUCTANCE	P00095	2628	0.17316	0.0001	8
BARIUM	0	P01007	CONDUCTANCE	P00095	424	-0.10095	0.0377	8
BARIUM	0	P01005	CYANIDE	P00720	32	0.36689	0.0389	8
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	1823	0.11432	0.0001	8
BARIUM	0	P01007	DISSOLVED-OXYGE	P00300	392	-0.10275	0.042	8
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	2090	0.25875	0.0001	8
BARIUM	0	P01005	HARDNESS	P00900	2701	0.1594	0.0001	8
BARIUM	0	P01005	IRON	P01046	2730	0.13223	0.0001	8
BARIUM	0	P01007	IRON	P01045	420	0.85273	0.0001	8
BARIUM	0	P01005	MANGANESE	P01056	2736	0.14804	0.0001	8
BARIUM	0	P01007	MANGANESE	P01055	238	0.82357	0.0001	8
BARIUM	0	P01007	MERCURY	P71900	202	0.37106	0.0001	8
BARIUM	0	P01005	NICKEL	P01065	2362	0.26717	0.0001	8
BARIUM	0	P01007	NICKEL	P01067	421	0.662	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	NITRITE	P00613	1590	0.06678	0.0077	8
BARIUM	0	P01005	PH	P00400	2596	0.18103	0.0001	8
BARIUM	0	P01007	PH	P00400	408	-0.13981	0.0047	8
BARIUM	0	P01005	TURBIDITY	P00076	765	0.07612	0.0353	8
BARIUM	0	P01007	TURBIDITY	P00076	120	0.8414	0.0001	8
BARIUM	2000	P01007	CHROMIUM	P01034	4	0.96896	0.031	8
BERYLLIUM	0	P01010	CADMIUM	P01025	1848	0.87063	0.0001	8
BERYLLIUM	0	P01012	CADMIUM	P01027	469	-0.3194	0.0001	8
BERYLLIUM	0	P01010	CHROMIUM	P01030	1885	0.72289	0.0001	8
BERYLLIUM	0	P01012	CHROMIUM	P01030	192	-0.23774	0.0009	8
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	1836	0.85489	0.0001	8
BERYLLIUM	0	P01012	DISSOLVED-OXYGE	P00300	389	-0.10768	0.0337	8
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	1281	0.90391	0.0001	8
BERYLLIUM	0	P01010	HARDNESS	P00900	1846	0.78076	0.0001	8
BERYLLIUM	0	P01010	IRON	P01046	1871	0.89965	0.0001	8
BERYLLIUM	0	P01012	IRON	P01045	442	0.22416	0.0001	8
BERYLLIUM	0	P01010	MANGANESE	P01056	1885	0.85026	0.0001	8
BERYLLIUM	0	P01012	MANGANESE	P01055	260	0.32535	0.0001	8
BERYLLIUM	0	P01012	MERCURY	P71900	246	-0.22996	0.0003	8
BERYLLIUM	0	P01010	NICKEL	P01065	1814	0.94533	0.0001	8
BERYLLIUM	0	P01012	NICKEL	P01067	469	-0.13578	0.0032	8
BERYLLIUM	0	P01010	NITRITE	P00613	941	0.1628	0.0001	8
BERYLLIUM	0	P01012	NITRITE	P00613	254	-0.73863	0.0001	8
BERYLLIUM	0	P01010	PH	P00400	1808	-0.66406	0.0001	8
BERYLLIUM	0	P01012	PH	P00400	446	0.24824	0.0001	8
BERYLLIUM	0	P01012	SELENIUM	P01147	405	-0.75094	0.0001	8
BERYLLIUM	0	P01010	THALLIUM	P01057	28	0.85801	0.0001	8
BERYLLIUM	0	P01012	THALLIUM	P01057	10	-1	0.0001	8
BERYLLIUM	4	P01010	ANTIMONY	P01095	6	-0.87372	0.0229	8
BERYLLIUM	4	P01010	ARSENIC	P01000	450	0.34301	0.0001	8
BERYLLIUM	4	P01010	BARIUM	P01005	426	0.63543	0.0001	8
BERYLLIUM	4	P01010	CADMIUM	P01025	415	0.84278	0.0001	8
BERYLLIUM	4	P01010	CADMIUM	P01027	15	-0.96977	0.0001	8
BERYLLIUM	4	P01012	CADMIUM	P01027	458	0.16686	0.0003	8
BERYLLIUM	4	P01010	CHROMIUM	P01030	451	0.57243	0.0001	8
BERYLLIUM	4	P01010	CHROMIUM	P01034	15	-0.97118	0.0001	8
BERYLLIUM	4	P01012	CHROMIUM	P01034	457	0.23174	0.0001	8
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	448	0.84288	0.0001	8
BERYLLIUM	4	P01010	DISSOLVED-OXYGE	P00300	21	-0.58142	0.0057	8
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	55	0.86704	0.0001	8
BERYLLIUM	4	P01010	HARDNESS	P00900	450	0.76283	0.0001	8
BERYLLIUM	4	P01010	IRON	P01045	12	-0.97693	0.0001	8
BERYLLIUM	4	P01010	IRON	P01046	449	0.82904	0.0001	8
BERYLLIUM	4	P01012	IRON	P01045	442	0.22416	0.0001	8
BERYLLIUM	4	P01010	MANGANESE	P01056	449	0.79048	0.0001	8
BERYLLIUM	4	P01012	MANGANESE	P01055	260	0.32535	0.0001	8
BERYLLIUM	4	P01010	NICKEL	P01065	446	0.92486	0.0001	8
BERYLLIUM	4	P01010	NICKEL	P01067	15	-0.89594	0.0001	8
BERYLLIUM	4	P01012	NICKEL	P01067	458	0.32933	0.0001	8
BERYLLIUM	4	P01010	PH	P00400	447	-0.33907	0.0001	8
BERYLLIUM	4	P01010	SULFATE	P00945	448	0.88947	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	0	P01025	ALKALINITY	P39036	10	0.95637	0.0001	8
CADMIUM	0	P01025	CHROMIUM	P01030	3180	0.60501	0.0001	8
CADMIUM	0	P01025	CONDUCTANCE	P00095	4503	0.58038	0.0001	8
CADMIUM	0	P01025	CYANIDE	P00723	178	-0.39567	0.0001	8
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	2807	0.63855	0.0001	8
CADMIUM	0	P01025	HARDNESS	P00900	4430	0.48921	0.0001	8
CADMIUM	0	P01027	HARDNESS	P00900	2409	-0.04578	0.0246	8
CADMIUM	0	P01025	IRON	P01045	2306	0.10421	0.0001	8
CADMIUM	0	P01025	IRON	P01046	3939	0.79649	0.0001	8
CADMIUM	0	P01027	IRON	P01045	2408	0.14334	0.0001	8
CADMIUM	0	P01027	IRON	P01046	1994	0.48476	0.0001	8
CADMIUM	0	P01025	MANGANESE	P01055	2272	0.32634	0.0001	8
CADMIUM	0	P01025	MANGANESE	P01056	4136	0.75373	0.0001	8
CADMIUM	0	P01027	MANGANESE	P01055	2091	0.37784	0.0001	8
CADMIUM	0	P01027	MANGANESE	P01056	1975	0.63387	0.0001	8
CADMIUM	0	P01027	MERCURY	P71900	494	0.18859	0.0001	8
CADMIUM	0	P01025	NICKEL	P01065	2635	0.86382	0.0001	8
CADMIUM	0	P01027	NICKEL	P01065	1116	0.08769	0.0034	8
CADMIUM	0	P01027	NICKEL	P01067	1279	0.15394	0.0001	8
CADMIUM	0	P01025	NITRITE	P00613	2429	-0.04576	0.0241	8
CADMIUM	0	P01025	NITRITE	P00615	55	0.38798	0.0034	8
CADMIUM	0	P01027	NITRITE	P00615	36	0.51383	0.0013	8
CADMIUM	0	P01025	PH	P00400	4429	-0.51733	0.0001	8
CADMIUM	0	P01027	PH	P00400	2416	-0.34915	0.0001	8
CADMIUM	0	P01025	SELENIUM	P01147	505	-0.09641	0.0303	8
CADMIUM	0	P01027	SELENIUM	P01147	604	0.19712	0.0001	8
CADMIUM	0	P01025	THALLIUM	P01059	7	-1	0.0001	8
CADMIUM	5	P01025	ARSENIC	P01000	647	0.1196	0.0023	8
CADMIUM	5	P01025	ARSENIC	P01002	85	0.32359	0.0025	8
CADMIUM	5	P01027	ARSENIC	P01000	44	-0.32758	0.03	8
CADMIUM	5	P01025	BARIUM	P01005	431	0.61134	0.0001	8
CADMIUM	5	P01025	BERYLLIUM	P01010	411	0.83732	0.0001	8
CADMIUM	5	P01027	BERYLLIUM	P01012	10	0.99852	0.0001	8
CADMIUM	5	P01025	CHROMIUM	P01030	557	0.49485	0.0001	8
CADMIUM	5	P01025	CONDUCTANCE	P00095	662	0.72807	0.0001	8
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	221	0.82848	0.0001	8
CADMIUM	5	P01025	HARDNESS	P00900	647	0.72965	0.0001	8
CADMIUM	5	P01025	IRON	P01045	72	0.36908	0.0014	8
CADMIUM	5	P01025	IRON	P01046	661	0.74608	0.0001	8
CADMIUM	5	P01027	IRON	P01046	57	0.41004	0.0015	8
CADMIUM	5	P01025	MANGANESE	P01055	67	0.36805	0.0022	8
CADMIUM	5	P01025	MANGANESE	P01056	646	0.71322	0.0001	8
CADMIUM	5	P01027	MANGANESE	P01056	58	0.42562	0.0009	8
CADMIUM	5	P01025	NICKEL	P01065	517	0.82686	0.0001	8
CADMIUM	5	P01025	PH	P00400	641	-0.42133	0.0001	8
CADMIUM	5	P01027	PH	P00400	77	-0.43464	0.0001	8
CADMIUM	5	P01025	SELENIUM	P01145	417	0.44771	0.0001	8
CADMIUM	5	P01025	SELENIUM	P01147	127	0.17465	0.0495	8
CADMIUM	5	P01027	SELENIUM	P01147	14	-0.67389	0.0082	8
CADMIUM	5	P01025	SULFATE	P00945	549	0.78158	0.0001	8
CHROMIUM	0	P01030	CONDUCTANCE	P00095	3109	0.66584	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01030	CYANIDE	P00720	90	0.39071	0.0001	8
CHROMIUM	0	P01030	CYANIDE	P00723	96	0.30634	0.0024	8
CHROMIUM	0	P01034	CYANIDE	P00720	59	0.83139	0.0001	8
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	1834	0.71127	0.0001	8
CHROMIUM	0	P01030	HARDNESS	P00900	3154	0.51535	0.0001	8
CHROMIUM	0	P01030	IRON	P01045	1135	0.11884	0.0001	8
CHROMIUM	0	P01030	IRON	P01046	2996	0.89766	0.0001	8
CHROMIUM	0	P01034	IRON	P01045	1284	0.81256	0.0001	8
CHROMIUM	0	P01034	IRON	P01046	1016	0.07457	0.0174	8
CHROMIUM	0	P01030	MANGANESE	P01055	1101	0.13229	0.0001	8
CHROMIUM	0	P01030	MANGANESE	P01056	2982	0.73042	0.0001	8
CHROMIUM	0	P01034	MANGANESE	P01055	1063	0.66061	0.0001	8
CHROMIUM	0	P01030	MERCURY	P71890	828	0.16394	0.0001	8
CHROMIUM	0	P01030	MERCURY	P71900	386	0.1706	0.0008	8
CHROMIUM	0	P01030	NICKEL	P01065	2646	0.68409	0.0001	8
CHROMIUM	0	P01030	NICKEL	P01067	946	0.18376	0.0001	8
CHROMIUM	0	P01034	NICKEL	P01067	1295	0.6391	0.0001	8
CHROMIUM	0	P01030	NITRITE	P00613	1885	0.066	0.0041	8
CHROMIUM	0	P01034	NITRITE	P00615	35	0.48471	0.0032	8
CHROMIUM	0	P01030	PH	P00400	3056	-0.61869	0.0001	8
CHROMIUM	0	P01034	PH	P00400	1292	-0.08528	0.0022	8
CHROMIUM	0	P01030	THALLIUM	P01057	30	0.48638	0.0064	8
CHROMIUM	0	P01034	TURBIDITY	P00076	135	0.91007	0.0001	8
CHROMIUM	100	P01030	ARSENIC	P01000	122	0.4918	0.0001	8
CHROMIUM	100	P01034	ARSENIC	P01002	6	0.93435	0.0063	8
CHROMIUM	100	P01030	BARIUM	P01005	123	0.18172	0.0443	8
CHROMIUM	100	P01030	BERYLLIUM	P01010	123	0.22294	0.0132	8
CHROMIUM	100	P01030	CONDUCTANCE	P00095	123	0.5037	0.0001	8
CHROMIUM	100	P01030	DISSOLVED-SOLID	P70301	24	-0.56098	0.0043	8
CHROMIUM	100	P01030	HARDNESS	P00900	123	0.25286	0.0048	8
CHROMIUM	100	P01030	IRON	P01046	122	0.54799	0.0001	8
CHROMIUM	100	P01030	MANGANESE	P01056	121	0.41564	0.0001	8
CHROMIUM	100	P01030	NICKEL	P01065	121	0.24777	0.0061	8
CHROMIUM	100	P01030	PH	P00400	123	-0.18189	0.0441	8
CHROMIUM	100	P01030	SULFATE	P00945	122	0.49339	0.0001	8
CYANIDE	0	P00723	DISSOLVED-OXYGE	P00300	178	0.23776	0.0014	8
CYANIDE	0	P00720	DISSOLVED-SOLID	P70301	112	0.44174	0.0001	8
CYANIDE	0	P00723	HARDNESS	P00900	179	0.15752	0.0352	8
CYANIDE	0	P00723	IRON	P01046	178	0.20009	0.0074	8
CYANIDE	0	P00720	NITRITE	P00613	126	0.6768	0.0001	8
CYANIDE	0	P00720	NITRITE	P00615	8	0.88436	0.0035	8
CYANIDE	0	P00720	PH	P00400	135	-0.22879	0.0076	8
CYANIDE	0	P00723	PH	P00400	153	0.27805	0.0005	8
CYANIDE	0	P00723	SELENIUM	P01145	178	0.56709	0.0001	8
CYANIDE	0	P00723	SELENIUM	P01147	103	0.5038	0.0001	8
DEPTH-BELOW-LAN	0	P72019	CONDUCTANCE	P00095	44	-0.3232	0.0324	8
DEPTH-BELOW-LAN	0	P72019	DISSOLVED-OXYGE	P00300	24	0.5097	0.011	8
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	133	0.6147	0.0001	8
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	9300	0.97657	0.0001	8
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	9473	0.59197	0.0001	8
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	119	0.26001	0.0043	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	1386	0.22484	0.0001	8
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	673	0.2251	0.0001	8
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	337	0.91468	0.0001	8
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	782	0.6706	0.0001	8
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	587	0.73662	0.0001	8
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	3968	0.9774	0.0001	8
DISSOLVED-SOLID	500	P70301	CYANIDE	P00720	30	0.45381	0.0118	8
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	4031	0.58606	0.0001	8
DISSOLVED-SOLID	500	P70301	IRON	P01046	2151	0.47072	0.0001	8
DISSOLVED-SOLID	500	P70301	MANGANESE	P01056	1981	0.32746	0.0001	8
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	657	0.88468	0.0001	8
DISSOLVED-SOLID	500	P70301	NITRATE	P00618	948	0.12528	0.0001	8
DISSOLVED-SOLID	500	P70301	NITRITE	P00613	1940	0.11409	0.0001	8
DISSOLVED-SOLID	500	P70301	PH	P00400	3749	-0.04289	0.0086	8
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	2372	0.18081	0.0001	8
DISSOLVED-SOLID	500	P70301	SELENIUM	P01147	419	0.53325	0.0001	8
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	4031	0.42789	0.0001	8
HARDNESS	0	P00900	ALKALINITY	P39036	134	0.3807	0.0001	8
HARDNESS	0	P00900	CONDUCTANCE	P00095	11443	0.93471	0.0001	8
HARDNESS	0	P00900	PH	P00400	11022	-0.09637	0.0001	8
HARDNESS	300	P00900	ARSENIC	P01000	1844	0.14785	0.0001	8
HARDNESS	300	P00900	BARIUM	P01005	1090	0.11125	0.0002	8
HARDNESS	300	P00900	BERYLLIUM	P01010	787	0.78564	0.0001	8
HARDNESS	300	P00900	CADMIUM	P01025	1322	0.47169	0.0001	8
HARDNESS	300	P00900	CHROMIUM	P01030	1177	0.44907	0.0001	8
HARDNESS	300	P00900	CONDUCTANCE	P00095	4381	0.92393	0.0001	8
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	3640	0.58894	0.0001	8
HARDNESS	300	P00900	IRON	P01046	2529	0.37183	0.0001	8
HARDNESS	300	P00900	MANGANESE	P01056	2377	0.38419	0.0001	8
HARDNESS	300	P00900	NICKEL	P01065	1132	0.67892	0.0001	8
HARDNESS	300	P00900	NITRATE	P00618	958	0.35827	0.0001	8
HARDNESS	300	P00900	NITRITE	P00613	1891	0.21396	0.0001	8
HARDNESS	300	P00900	PH	P00400	4212	-0.03743	0.0151	8
HARDNESS	300	P00900	SELENIUM	P01145	2482	0.26536	0.0001	8
HARDNESS	300	P00900	SELENIUM	P01147	584	0.60116	0.0001	8
HARDNESS	300	P00900	SULFATE	P00945	4322	0.84545	0.0001	8
IRON	0	P01046	CONDUCTANCE	P00095	7924	0.48381	0.0001	8
IRON	0	P01047	CONDUCTANCE	P00095	9	0.78982	0.0113	8
IRON	0	P01045	DISSOLVED-OXYGE	P00300	2291	-0.0558	0.0076	8
IRON	0	P01046	DISSOLVED-SOLID	P70301	6361	0.46875	0.0001	8
IRON	0	P01046	HARDNESS	P00900	7957	0.43235	0.0001	8
IRON	0	P01045	MANGANESE	P01055	2876	0.79014	0.0001	8
IRON	0	P01045	MANGANESE	P01056	2529	0.14223	0.0001	8
IRON	0	P01046	MANGANESE	P01055	2290	0.29107	0.0001	8
IRON	0	P01046	MANGANESE	P01056	7822	0.7639	0.0001	8
IRON	0	P01047	MANGANESE	P01056	9	0.81683	0.0072	8
IRON	0	P01045	NICKEL	P01067	1245	0.68679	0.0001	8
IRON	0	P01046	NICKEL	P01065	3116	0.84821	0.0001	8
IRON	0	P01046	NICKEL	P01067	979	0.1319	0.0001	8
IRON	0	P01047	NICKEL	P01065	9	0.83685	0.0049	8
IRON	0	P01045	PH	P00400	3257	-0.15154	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	0	P01046	PH	P00400	7690	-0.67096	0.0001	8
IRON	0	P01045	TURBIDITY	P00076	491	0.54737	0.0001	8
IRON	300	P01045	ANTIMONY	P01097	48	0.76445	0.0001	8
IRON	300	P01045	ARSENIC	P01002	994	0.53696	0.0001	8
IRON	300	P01046	ARSENIC	P01000	558	0.57575	0.0001	8
IRON	300	P01045	BARIUM	P01007	245	0.85055	0.0001	8
IRON	300	P01046	BARIUM	P01005	529	0.50572	0.0001	8
IRON	300	P01045	BERYLLIUM	P01012	262	0.22083	0.0003	8
IRON	300	P01046	BERYLLIUM	P01010	523	0.85034	0.0001	8
IRON	300	P01045	CADMIUM	P01025	1608	0.10935	0.0001	8
IRON	300	P01045	CADMIUM	P01027	1627	0.14434	0.0001	8
IRON	300	P01046	CADMIUM	P01025	588	0.75337	0.0001	8
IRON	300	P01046	CADMIUM	P01027	105	0.63763	0.0001	8
IRON	300	P01045	CHROMIUM	P01030	872	0.12891	0.0001	8
IRON	300	P01045	CHROMIUM	P01034	969	0.81174	0.0001	8
IRON	300	P01046	CHROMIUM	P01030	548	0.85667	0.0001	8
IRON	300	P01046	CONDUCTANCE	P00095	700	0.84784	0.0001	8
IRON	300	P01047	CONDUCTANCE	P00095	5	0.92974	0.0221	8
IRON	300	P01045	DISSOLVED-OXYGE	P00300	1398	-0.07042	0.0084	8
IRON	300	P01046	DISSOLVED-SOLID	P70301	226	0.90009	0.0001	8
IRON	300	P01046	HARDNESS	P00900	700	0.72315	0.0001	8
IRON	300	P01045	MANGANESE	P01055	1919	0.78795	0.0001	8
IRON	300	P01045	MANGANESE	P01056	1744	0.13135	0.0001	8
IRON	300	P01046	MANGANESE	P01055	127	0.61518	0.0001	8
IRON	300	P01046	MANGANESE	P01056	701	0.77435	0.0001	8
IRON	300	P01047	MANGANESE	P01056	5	0.97782	0.004	8
IRON	300	P01045	NICKEL	P01067	938	0.70039	0.0001	8
IRON	300	P01046	NICKEL	P01065	538	0.78449	0.0001	8
IRON	300	P01045	PH	P00400	2035	-0.15423	0.0001	8
IRON	300	P01046	PH	P00400	696	-0.56532	0.0001	8
IRON	300	P01046	SELENIUM	P01147	17	0.65547	0.0043	8
IRON	300	P01046	SULFATE	P00945	705	0.94585	0.0001	8
IRON	300	P01047	SULFATE	P00945	5	0.97508	0.0047	8
IRON	300	P01045	TURBIDITY	P00076	299	0.54602	0.0001	8
IRON	2500	P01045	ANTIMONY	P01097	17	0.84907	0.0001	8
IRON	2500	P01045	ARSENIC	P01002	196	0.52311	0.0001	8
IRON	2500	P01046	ARSENIC	P01000	471	0.60164	0.0001	8
IRON	2500	P01045	BARIUM	P01007	56	0.82861	0.0001	8
IRON	2500	P01046	BARIUM	P01005	471	0.57358	0.0001	8
IRON	2500	P01046	BERYLLIUM	P01010	477	0.83955	0.0001	8
IRON	2500	P01045	CADMIUM	P01027	378	0.12032	0.0193	8
IRON	2500	P01046	CADMIUM	P01025	462	0.73547	0.0001	8
IRON	2500	P01046	CADMIUM	P01027	22	0.94999	0.0001	8
IRON	2500	P01045	CHROMIUM	P01030	242	0.23248	0.0003	8
IRON	2500	P01045	CHROMIUM	P01034	247	0.79702	0.0001	8
IRON	2500	P01046	CHROMIUM	P01030	480	0.84706	0.0001	8
IRON	2500	P01046	CONDUCTANCE	P00095	501	0.94285	0.0001	8
IRON	2500	P01047	CONDUCTANCE	P00095	5	0.92974	0.0221	8
IRON	2500	P01045	DISSOLVED-OXYGE	P00300	347	-0.1136	0.0344	8
IRON	2500	P01046	DISSOLVED-SOLID	P70301	60	0.96596	0.0001	8
IRON	2500	P01046	HARDNESS	P00900	502	0.78178	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	2500	P01045	MANGANESE	P01055	493	0.78219	0.0001	8
IRON	2500	P01046	MANGANESE	P01055	22	0.70982	0.0002	8
IRON	2500	P01046	MANGANESE	P01056	500	0.75892	0.0001	8
IRON	2500	P01047	MANGANESE	P01056	5	0.97782	0.004	8
IRON	2500	P01045	MERCURY	P71900	79	0.37805	0.0006	8
IRON	2500	P01045	NICKEL	P01067	237	0.69822	0.0001	8
IRON	2500	P01046	NICKEL	P01065	478	0.77013	0.0001	8
IRON	2500	P01045	NITRATE	P00618	114	-0.21967	0.0189	8
IRON	2500	P01045	PH	P00400	489	-0.10498	0.0202	8
IRON	2500	P01046	PH	P00400	500	-0.4783	0.0001	8
IRON	2500	P01046	SELENIUM	P01145	219	0.53855	0.0001	8
IRON	2500	P01046	SULFATE	P00945	506	0.95259	0.0001	8
IRON	2500	P01047	SULFATE	P00945	5	0.97508	0.0047	8
IRON	2500	P01045	TURBIDITY	P00076	68	0.53461	0.0001	8
MANGANESE	0	P01056	ALKALINITY	P39036	108	0.35912	0.0001	8
MANGANESE	0	P01055	CONDUCTANCE	P00095	2811	0.08381	0.0001	8
MANGANESE	0	P01056	CONDUCTANCE	P00095	7793	0.41806	0.0001	8
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	5438	-0.15422	0.0001	8
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	1450	0.09562	0.0003	8
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	6130	0.3417	0.0001	8
MANGANESE	0	P01056	HARDNESS	P00900	7734	0.43368	0.0001	8
MANGANESE	0	P01055	NICKEL	P01065	1082	0.1912	0.0001	8
MANGANESE	0	P01055	NICKEL	P01067	1024	0.73379	0.0001	8
MANGANESE	0	P01056	NICKEL	P01065	3137	0.76076	0.0001	8
MANGANESE	0	P01056	NICKEL	P01067	990	0.40476	0.0001	8
MANGANESE	0	P01055	NITRITE	P00615	31	0.36807	0.0416	8
MANGANESE	0	P01056	NITRITE	P00615	109	0.42642	0.0001	8
MANGANESE	0	P01055	PH	P00400	2745	-0.2451	0.0001	8
MANGANESE	0	P01056	PH	P00400	7633	-0.5835	0.0001	8
MANGANESE	0	P01055	TURBIDITY	P00076	485	0.61661	0.0001	8
MANGANESE	50	P01055	ANTIMONY	P01097	17	0.68384	0.0025	8
MANGANESE	50	P01055	ARSENIC	P01002	854	0.72391	0.0001	8
MANGANESE	50	P01056	ARSENIC	P01000	1771	0.22738	0.0001	8
MANGANESE	50	P01056	ARSENIC	P01002	410	0.1634	0.0009	8
MANGANESE	50	P01055	BARIUM	P01007	115	0.81543	0.0001	8
MANGANESE	50	P01056	BARIUM	P01005	908	0.27631	0.0001	8
MANGANESE	50	P01055	BERYLLIUM	P01012	124	0.31982	0.0003	8
MANGANESE	50	P01056	BERYLLIUM	P01010	798	0.81779	0.0001	8
MANGANESE	50	P01055	CADMIUM	P01025	1565	0.32076	0.0001	8
MANGANESE	50	P01055	CADMIUM	P01027	1478	0.37127	0.0001	8
MANGANESE	50	P01056	CADMIUM	P01025	1436	0.73904	0.0001	8
MANGANESE	50	P01056	CADMIUM	P01027	667	0.62636	0.0001	8
MANGANESE	50	P01055	CHROMIUM	P01030	818	0.15845	0.0001	8
MANGANESE	50	P01055	CHROMIUM	P01034	785	0.65723	0.0001	8
MANGANESE	50	P01056	CHROMIUM	P01030	1080	0.69264	0.0001	8
MANGANESE	50	P01056	CONDUCTANCE	P00095	2605	0.42995	0.0001	8
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	1407	-0.24081	0.0001	8
MANGANESE	50	P01056	DISSOLVED-SOLID	P70301	1819	0.35227	0.0001	8
MANGANESE	50	P01056	HARDNESS	P00900	2588	0.42998	0.0001	8
MANGANESE	50	P01055	IRON	P01045	1804	0.78624	0.0001	8
MANGANESE	50	P01055	IRON	P01046	1551	0.28807	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01056	IRON	P01045	754	0.28694	0.0001	8
MANGANESE	50	P01056	IRON	P01046	2625	0.7469	0.0001	8
MANGANESE	50	P01055	MERCURY	P71900	225	0.19282	0.0037	8
MANGANESE	50	P01055	NICKEL	P01065	800	0.18984	0.0001	8
MANGANESE	50	P01055	NICKEL	P01067	753	0.76386	0.0001	8
MANGANESE	50	P01056	NICKEL	P01065	1096	0.72833	0.0001	8
MANGANESE	50	P01056	NICKEL	P01067	302	0.78884	0.0001	8
MANGANESE	50	P01055	NITRATE	P00618	385	-0.12934	0.0111	8
MANGANESE	50	P01056	NITRATE	P00618	657	0.0773	0.0477	8
MANGANESE	50	P01055	PH	P00400	1723	-0.27337	0.0001	8
MANGANESE	50	P01056	PH	P00400	2534	-0.55272	0.0001	8
MANGANESE	50	P01055	SULFATE	P00945	1458	0.0781	0.0028	8
MANGANESE	50	P01056	SULFATE	P00945	2521	0.65039	0.0001	8
MANGANESE	50	P01055	TURBIDITY	P00076	209	0.61547	0.0001	8
MERCURY	0	P71900	CONDUCTANCE	P00095	540	-0.13573	0.0016	8
MERCURY	0	P71900	HARDNESS	P00900	523	-0.14779	0.0007	8
MERCURY	0	P71900	NICKEL	P01065	341	0.15729	0.0036	8
MERCURY	0	P71900	NICKEL	P01067	429	0.16788	0.0005	8
MERCURY	0	P71900	PH	P00400	532	-0.20954	0.0001	8
MERCURY	0	P71890	SELENIUM	P01145	2400	0.23186	0.0001	8
MERCURY	0	P71890	THALLIUM	P01057	23	1	0.0001	8
MERCURY	2	P71890	NITRITE	P00613	3	0.99855	0.0343	8
MERCURY	2	P71890	SELENIUM	P01145	4	0.99824	0.0018	8
NICKEL	0	P01065	ALKALINITY	P39036	107	0.26193	0.0064	8
NICKEL	0	P01065	CONDUCTANCE	P00095	3137	0.76582	0.0001	8
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	1905	0.86238	0.0001	8
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	409	0.10644	0.0314	8
NICKEL	0	P01065	HARDNESS	P00900	3156	0.66505	0.0001	8
NICKEL	0	P01067	NITRITE	P00615	35	0.59908	0.0001	8
NICKEL	0	P01065	PH	P00400	3110	-0.60038	0.0001	8
NICKEL	0	P01067	PH	P00400	1235	-0.20982	0.0001	8
NICKEL	0	P01065	SELENIUM	P01147	389	-0.12261	0.0155	8
NICKEL	0	P01067	SELENIUM	P01147	543	0.1696	0.0001	8
NICKEL	0	P01067	TURBIDITY	P00076	135	0.82319	0.0001	8
NICKEL	100	P01067	ANTIMONY	P01095	7	0.96469	0.0004	8
NICKEL	100	P01065	ARSENIC	P01000	563	0.22262	0.0001	8
NICKEL	100	P01065	BARIUM	P01005	460	0.77934	0.0001	8
NICKEL	100	P01065	BERYLLIUM	P01010	467	0.92439	0.0001	8
NICKEL	100	P01067	BERYLLIUM	P01010	7	-0.97288	0.0002	8
NICKEL	100	P01065	CADMIUM	P01025	529	0.83022	0.0001	8
NICKEL	100	P01065	CHROMIUM	P01030	565	0.57763	0.0001	8
NICKEL	100	P01065	CONDUCTANCE	P00095	564	0.81115	0.0001	8
NICKEL	100	P01067	DISSOLVED-OXYGE	P00300	5	0.94318	0.0161	8
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	54	0.87828	0.0001	8
NICKEL	100	P01065	HARDNESS	P00900	563	0.77748	0.0001	8
NICKEL	100	P01065	IRON	P01046	563	0.78783	0.0001	8
NICKEL	100	P01065	MANGANESE	P01056	563	0.68892	0.0001	8
NICKEL	100	P01065	NITRITE	P00613	97	0.95544	0.0001	8
NICKEL	100	P01065	PH	P00400	564	-0.41759	0.0001	8
NICKEL	100	P01065	SELENIUM	P01145	309	0.36633	0.0001	8
NICKEL	100	P01065	SULFATE	P00945	471	0.81963	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRATE	0	P00618	ANTIMONY	P01095	154	-0.18607	0.0209	8
NITRATE	0	P00618	BARIUM	P01005	496	0.08874	0.0482	8
NITRATE	0	P00618	BERYLLIUM	P01010	249	0.12985	0.0406	8
NITRATE	0	P00618	CADMIUM	P01025	904	-0.16548	0.0001	8
NITRATE	0	P00618	CADMIUM	P01027	529	-0.11765	0.0067	8
NITRATE	0	P00618	CONDUCTANCE	P00095	3263	0.43611	0.0001	8
NITRATE	0	P00618	CYANIDE	P00720	76	0.58698	0.0001	8
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	2816	-0.12386	0.0001	8
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	1916	0.15176	0.0001	8
NITRATE	0	P00618	HARDNESS	P00900	2496	0.35508	0.0001	8
NITRATE	0	P00618	IRON	P01046	1972	0.14991	0.0001	8
NITRATE	0	P00618	MANGANESE	P01056	1937	0.10417	0.0001	8
NITRATE	0	P00618	MERCURY	P71900	135	-0.2419	0.0047	8
NITRATE	0	P00618	NICKEL	P01065	846	-0.09219	0.0073	8
NITRATE	0	P00618	NICKEL	P01067	455	-0.20677	0.0001	8
NITRATE	0	P00618	NITRITE	P00613	3416	0.49111	0.0001	8
NITRATE	0	P00618	NITRITE	P00615	42	0.62079	0.0001	8
NITRATE	0	P00618	PH	P00400	3081	-0.21232	0.0001	8
NITRATE	0	P00618	SELENIUM	P01145	1094	0.82877	0.0001	8
NITRATE	0	P00618	THALLIUM	P01059	9	0.70515	0.0339	8
NITRATE	0	P00618	WELL-DEPTH	P72008	66	0.28237	0.0216	8
NITRATE	8	P00618	BERYLLIUM	P01010	6	0.97296	0.0011	8
NITRATE	8	P00618	CONDUCTANCE	P00095	93	0.62669	0.0001	8
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	63	-0.61658	0.0001	8
NITRATE	8	P00618	DISSOLVED-SOLID	P70301	35	0.55803	0.0005	8
NITRATE	8	P00618	HARDNESS	P00900	40	0.76155	0.0001	8
NITRATE	8	P00618	IRON	P01046	30	0.92188	0.0001	8
NITRATE	8	P00618	MANGANESE	P01056	31	0.90457	0.0001	8
NITRATE	8	P00618	NITRITE	P00613	116	0.33289	0.0003	8
NITRATE	8	P00618	PH	P00400	93	-0.59649	0.0001	8
NITRATE	8	P00618	SELENIUM	P01145	18	0.75499	0.0003	8
NITRATE	8	P00618	SULFATE	P00945	36	0.55785	0.0004	8
NITRATE	10	P00618	CONDUCTANCE	P00095	58	0.57676	0.0001	8
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	30	-0.66065	0.0001	8
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	16	0.50695	0.0451	8
NITRATE	10	P00618	HARDNESS	P00900	19	0.77285	0.0001	8
NITRATE	10	P00618	IRON	P01046	12	0.92109	0.0001	8
NITRATE	10	P00618	MANGANESE	P01056	12	0.93175	0.0001	8
NITRATE	10	P00618	PH	P00400	58	-0.52605	0.0001	8
NITRATE	10	P00618	SELENIUM	P01145	12	0.69577	0.012	8
NITRATE	10	P00618	SULFATE	P00945	17	0.49617	0.0428	8
NITRITE	0	P00615	ALKALINITY	P39036	16	0.55343	0.0262	8
NITRITE	0	P00613	CONDUCTANCE	P00095	7934	0.41697	0.0001	8
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	6992	-0.0337	0.0048	8
NITRITE	0	P00615	DISSOLVED-OXYGE	P00300	184	-0.169	0.0218	8
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	5286	0.14198	0.0001	8
NITRITE	0	P00613	HARDNESS	P00900	6362	0.12686	0.0001	8
NITRITE	0	P00613	PH	P00400	7520	-0.13314	0.0001	8
NITRITE	0	P00615	PH	P00400	194	-0.30897	0.0001	8
NITRITE	0	P00613	SELENIUM	P01145	2778	0.23966	0.0001	8
NITRITE	0	P00613	SELENIUM	P01147	564	0.16937	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00613	THALLIUM	P01059	10	-0.65133	0.0413	8
NITRITE	1	P00613	CHROMIUM	P01030	6	0.95505	0.003	8
NITRITE	1	P00613	CONDUCTANCE	P00095	36	0.39492	0.0171	8
NITRITE	1	P00613	DISSOLVED-OXYGE	P00300	15	-0.54225	0.0368	8
PH	0	P00400	ALKALINITY	P39036	149	0.51914	0.0001	8
PH	0	P00400	CONDUCTANCE	P00095	15868	-0.09703	0.0001	8
PH	0	P00400	DISSOLVED-OXYGE	P00300	10889	0.05821	0.0001	8
RADIUM-226	0	P09511	ALKALINITY	P39036	6	0.92457	0.0083	8
RADIUM-226	0	P76001	BARIUM	P01005	77	0.28261	0.0128	8
RADIUM-226	0	P76001	CHROMIUM	P01030	11	0.81588	0.0022	8
RADIUM-226	0	P09511	CONDUCTANCE	P00095	101	0.41018	0.0001	8
RADIUM-226	0	P76001	CONDUCTANCE	P00095	96	0.22857	0.0251	8
RADIUM-226	0	P76001	DISSOLVED-OXYGE	P00300	90	-0.26413	0.0119	8
RADIUM-226	0	P09511	DISSOLVED-SOLID	P70301	95	0.3748	0.0002	8
RADIUM-226	0	P09511	MANGANESE	P01056	82	0.26683	0.0154	8
RADIUM-226	0	P09511	NICKEL	P01065	82	0.41044	0.0001	8
RADIUM-226	0	P76001	NICKEL	P01065	77	0.69762	0.0001	8
RADIUM-226	0	P09511	NITRITE	P00615	4	0.99945	0.0006	8
RADIUM-226	0	P76001	NITRITE	P00615	3	1	0.0001	8
RADIUM-226	0	P09511	PH	P00400	94	0.21023	0.042	8
SELENIUM	0	P01145	CONDUCTANCE	P00095	5880	0.24651	0.0001	8
SELENIUM	0	P01147	CONDUCTANCE	P00095	1424	0.596	0.0001	8
SELENIUM	0	P01147	DISSOLVED-OXYGE	P00300	1092	0.10339	0.0006	8
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	4333	0.19788	0.0001	8
SELENIUM	0	P01147	DISSOLVED-SOLID	P70301	784	0.5663	0.0001	8
SELENIUM	0	P01145	HARDNESS	P00900	4941	0.27595	0.0001	8
SELENIUM	0	P01147	HARDNESS	P00900	1120	0.61647	0.0001	8
SELENIUM	0	P01147	PH	P00400	1271	0.23387	0.0001	8
SELENIUM	0	P01147	THALLIUM	P01057	10	0.98553	0.0001	8
SELENIUM	0	P01145	TURBIDITY	P00076	826	0.10417	0.0027	8
SELENIUM	50	P01145	CONDUCTANCE	P00095	274	0.17491	0.0037	8
SELENIUM	50	P01145	IRON	P01046	15	0.85353	0.0001	8
SELENIUM	50	P01145	MANGANESE	P01056	15	0.94568	0.0001	8
SELENIUM	50	P01145	NITRATE	P00618	25	0.77258	0.0001	8
SELENIUM	50	P01145	PH	P00400	262	-0.19416	0.0016	8
SULFATE	0	P00945	ALKALINITY	P39036	134	0.37455	0.0001	8
SULFATE	0	P00945	ANTIMONY	P01095	724	0.30464	0.0001	8
SULFATE	0	P00945	BARIUM	P01005	2641	0.14712	0.0001	8
SULFATE	0	P00945	BERYLLIUM	P01010	1786	0.93047	0.0001	8
SULFATE	0	P00945	CADMIUM	P01025	4043	0.78029	0.0001	8
SULFATE	0	P00945	CADMIUM	P01027	2075	0.05871	0.0075	8
SULFATE	0	P00945	CHROMIUM	P01030	3003	0.83345	0.0001	8
SULFATE	0	P00945	CONDUCTANCE	P00095	10942	0.9247	0.0001	8
SULFATE	0	P00945	CYANIDE	P00723	177	0.22854	0.0022	8
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	9473	0.45171	0.0001	8
SULFATE	0	P00945	HARDNESS	P00900	11002	0.86212	0.0001	8
SULFATE	0	P00945	IRON	P01046	7673	0.79436	0.0001	8
SULFATE	0	P00945	IRON	P01047	9	0.8423	0.0044	8
SULFATE	0	P00945	MANGANESE	P01055	2341	0.10718	0.0001	8
SULFATE	0	P00945	MANGANESE	P01056	7445	0.65661	0.0001	8
SULFATE	0	P00945	MERCURY	P71900	521	-0.11411	0.0091	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	0	P00945	NICKEL	P01065	3033	0.86541	0.0001	8
SULFATE	0	P00945	NICKEL	P01067	1255	0.09098	0.0013	8
SULFATE	0	P00945	NITRATE	P00618	2339	0.17263	0.0001	8
SULFATE	0	P00945	NITRITE	P00613	5973	0.10832	0.0001	8
SULFATE	0	P00945	PH	P00400	10486	-0.32192	0.0001	8
SULFATE	0	P00945	RADIUM-226	P09511	96	0.30517	0.0025	8
SULFATE	0	P00945	SELENIUM	P01145	4801	0.15841	0.0001	8
SULFATE	0	P00945	SELENIUM	P01147	1090	0.57704	0.0001	8
SULFATE	0	P00945	THALLIUM	P01057	31	0.62088	0.0002	8
SULFATE	0	P00945	THALLIUM	P01059	22	-0.60082	0.0031	8
SULFATE	0	P00945	URANIUM-238	P22603	9	0.96321	0.0001	8
SULFATE	25	P00945	ALKALINITY	P39036	108	0.26236	0.0061	8
SULFATE	25	P00945	ANTIMONY	P01095	434	0.24162	0.0001	8
SULFATE	25	P00945	ARSENIC	P01000	3484	0.22384	0.0001	8
SULFATE	25	P00945	BARIUM	P01005	1941	0.12757	0.0001	8
SULFATE	25	P00945	BERYLLIUM	P01010	1200	0.92699	0.0001	8
SULFATE	25	P00945	CADMIUM	P01025	2927	0.78052	0.0001	8
SULFATE	25	P00945	CHROMIUM	P01030	2214	0.83292	0.0001	8
SULFATE	25	P00945	CONDUCTANCE	P00095	8659	0.92474	0.0001	8
SULFATE	25	P00945	CYANIDE	P00723	157	0.19675	0.0135	8
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	7464	0.44579	0.0001	8
SULFATE	25	P00945	HARDNESS	P00900	8714	0.85985	0.0001	8
SULFATE	25	P00945	IRON	P01045	1549	0.05175	0.0417	8
SULFATE	25	P00945	IRON	P01046	5699	0.79328	0.0001	8
SULFATE	25	P00945	IRON	P01047	9	0.8423	0.0044	8
SULFATE	25	P00945	MANGANESE	P01055	1286	0.11594	0.0001	8
SULFATE	25	P00945	MANGANESE	P01056	5472	0.64885	0.0001	8
SULFATE	25	P00945	MERCURY	P71900	303	-0.12094	0.0354	8
SULFATE	25	P00945	NICKEL	P01065	2188	0.86434	0.0001	8
SULFATE	25	P00945	NICKEL	P01067	866	0.12329	0.0003	8
SULFATE	25	P00945	NITRATE	P00618	1956	0.16612	0.0001	8
SULFATE	25	P00945	NITRITE	P00613	4319	0.08702	0.0001	8
SULFATE	25	P00945	PH	P00400	8235	-0.33414	0.0001	8
SULFATE	25	P00945	SELENIUM	P01145	4400	0.15611	0.0001	8
SULFATE	25	P00945	SELENIUM	P01147	916	0.58414	0.0001	8
SULFATE	25	P00945	THALLIUM	P01057	20	0.52634	0.0171	8
SULFATE	25	P00945	URANIUM-238	P22603	3	0.9987	0.0324	8
SULFATE	120	P00945	ANTIMONY	P01095	254	0.19719	0.0016	8
SULFATE	120	P00945	ARSENIC	P01000	2570	0.26379	0.0001	8
SULFATE	120	P00945	BARIUM	P01005	1508	0.16151	0.0001	8
SULFATE	120	P00945	BERYLLIUM	P01010	936	0.92352	0.0001	8
SULFATE	120	P00945	CADMIUM	P01025	2005	0.78443	0.0001	8
SULFATE	120	P00945	CADMIUM	P01027	708	0.10564	0.0049	8
SULFATE	120	P00945	CHROMIUM	P01030	1704	0.8317	0.0001	8
SULFATE	120	P00945	CONDUCTANCE	P00095	6191	0.9251	0.0001	8
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	5211	0.4364	0.0001	8
SULFATE	120	P00945	HARDNESS	P00900	6230	0.85358	0.0001	8
SULFATE	120	P00945	IRON	P01046	3879	0.79023	0.0001	8
SULFATE	120	P00945	IRON	P01047	6	0.93466	0.0063	8
SULFATE	120	P00945	MANGANESE	P01055	584	0.11405	0.0058	8
SULFATE	120	P00945	MANGANESE	P01056	3673	0.64329	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	120	P00945	NICKEL	P01065	1617	0.8623	0.0001	8
SULFATE	120	P00945	NICKEL	P01067	587	0.1141	0.0056	8
SULFATE	120	P00945	NITRATE	P00618	1427	0.15826	0.0001	8
SULFATE	120	P00945	NITRITE	P00613	2823	0.06741	0.0003	8
SULFATE	120	P00945	PH	P00400	5865	-0.32999	0.0001	8
SULFATE	120	P00945	SELENIUM	P01145	3508	0.14938	0.0001	8
SULFATE	120	P00945	SELENIUM	P01147	761	0.57644	0.0001	8
SULFATE	120	P00945	THALLIUM	P01059	7	-0.97743	0.0001	8
SULFATE	150	P00945	ANTIMONY	P01095	217	0.14516	0.0326	8
SULFATE	150	P00945	ARSENIC	P01000	2288	0.25905	0.0001	8
SULFATE	150	P00945	BARIUM	P01005	1399	0.17269	0.0001	8
SULFATE	150	P00945	BERYLLIUM	P01010	889	0.9226	0.0001	8
SULFATE	150	P00945	CADMIUM	P01025	1797	0.78493	0.0001	8
SULFATE	150	P00945	CADMIUM	P01027	571	0.10756	0.0101	8
SULFATE	150	P00945	CHROMIUM	P01030	1566	0.83048	0.0001	8
SULFATE	150	P00945	CONDUCTANCE	P00095	5552	0.92432	0.0001	8
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	4661	0.43321	0.0001	8
SULFATE	150	P00945	HARDNESS	P00900	5605	0.85111	0.0001	8
SULFATE	150	P00945	IRON	P01046	3387	0.78849	0.0001	8
SULFATE	150	P00945	IRON	P01047	6	0.93466	0.0063	8
SULFATE	150	P00945	MANGANESE	P01055	453	0.10533	0.025	8
SULFATE	150	P00945	MANGANESE	P01056	3191	0.64304	0.0001	8
SULFATE	150	P00945	NICKEL	P01065	1486	0.86137	0.0001	8
SULFATE	150	P00945	NICKEL	P01067	493	0.10861	0.0158	8
SULFATE	150	P00945	NITRATE	P00618	1247	0.1559	0.0001	8
SULFATE	150	P00945	NITRITE	P00613	2464	0.07796	0.0001	8
SULFATE	150	P00945	PH	P00400	5271	-0.32654	0.0001	8
SULFATE	150	P00945	SELENIUM	P01145	3163	0.14591	0.0001	8
SULFATE	150	P00945	SELENIUM	P01147	680	0.57741	0.0001	8
SULFATE	250	P00945	ARSENIC	P01000	1585	0.24824	0.0001	8
SULFATE	250	P00945	BARIUM	P01005	1035	0.21422	0.0001	8
SULFATE	250	P00945	BERYLLIUM	P01010	741	0.91798	0.0001	8
SULFATE	250	P00945	CADMIUM	P01025	1210	0.78513	0.0001	8
SULFATE	250	P00945	CHROMIUM	P01030	1090	0.82319	0.0001	8
SULFATE	250	P00945	CONDUCTANCE	P00095	3870	0.92255	0.0001	8
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	3224	0.42145	0.0001	8
SULFATE	250	P00945	HARDNESS	P00900	3916	0.84038	0.0001	8
SULFATE	250	P00945	IRON	P01046	2144	0.77928	0.0001	8
SULFATE	250	P00945	IRON	P01047	5	0.97508	0.0047	8
SULFATE	250	P00945	MANGANESE	P01056	1983	0.63756	0.0001	8
SULFATE	250	P00945	NICKEL	P01065	1039	0.85551	0.0001	8
SULFATE	250	P00945	NITRATE	P00618	729	0.14735	0.0001	8
SULFATE	250	P00945	NITRITE	P00613	1462	0.1758	0.0001	8
SULFATE	250	P00945	PH	P00400	3706	-0.30123	0.0001	8
SULFATE	250	P00945	SELENIUM	P01145	2196	0.13122	0.0001	8
SULFATE	250	P00945	SELENIUM	P01147	523	0.55312	0.0001	8
SULFATE	250	P00945	THALLIUM	P01057	3	1	0.0001	8
SULFATE	500	P00945	ARSENIC	P01000	1085	0.36248	0.0001	8
SULFATE	500	P00945	ARSENIC	P01002	43	-0.44877	0.0025	8
SULFATE	500	P00945	BARIUM	P01005	730	0.35713	0.0001	8
SULFATE	500	P00945	BERYLLIUM	P01010	568	0.9063	0.0001	8

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	500	P00945	CADMIUM	P01025	873	0.78302	0.0001	8
SULFATE	500	P00945	CHROMIUM	P01030	798	0.81333	0.0001	8
SULFATE	500	P00945	CONDUCTANCE	P00095	2455	0.91833	0.0001	8
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	1992	0.40256	0.0001	8
SULFATE	500	P00945	HARDNESS	P00900	2488	0.82201	0.0001	8
SULFATE	500	P00945	IRON	P01046	1262	0.75722	0.0001	8
SULFATE	500	P00945	MANGANESE	P01056	1185	0.62664	0.0001	8
SULFATE	500	P00945	NICKEL	P01065	679	0.84163	0.0001	8
SULFATE	500	P00945	NITRATE	P00618	351	0.12845	0.016	8
SULFATE	500	P00945	NITRITE	P00613	743	0.19481	0.0001	8
SULFATE	500	P00945	PH	P00400	2362	-0.2463	0.0001	8
SULFATE	500	P00945	SELENIUM	P01145	1393	0.10791	0.0001	8
SULFATE	500	P00945	SELENIUM	P01147	340	0.49361	0.0001	8
THALLIUM	0	P01057	CONDUCTANCE	P00095	33	0.40048	0.0209	8
THALLIUM	0	P01057	DISSOLVED-SOLID	P70301	31	0.4119	0.0213	8
THALLIUM	0	P01057	HARDNESS	P00900	33	0.50191	0.0029	8
THALLIUM	0	P01059	HARDNESS	P00900	22	-0.42943	0.0461	8
URANIUM-238	0	P22603	BARIUM	P01005	9	0.74093	0.0224	8
URANIUM-238	0	P22603	CONDUCTANCE	P00095	9	0.81426	0.0075	8
URANIUM-238	0	P22603	DISSOLVED-SOLID	P70301	9	0.86231	0.0028	8
URANIUM-238	0	P22603	HARDNESS	P00900	9	0.88174	0.0017	8
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	52	-0.29175	0.0359	8
WELL-DEPTH	0	P72008	DEPTH-BELOW-LAN	P72019	44	0.47465	0.0011	8
ALKALINITY	0	P39036	CONDUCTANCE	P00095	592	0.69422	0.0001	9
ANTIMONY	0	P01095	BARIUM	P01005	712	0.99705	0.0001	9
ANTIMONY	0	P01095	BERYLLIUM	P01010	713	0.99999	0.0001	9
ANTIMONY	0	P01095	CADMIUM	P01025	713	0.99999	0.0001	9
ANTIMONY	0	P01095	CHROMIUM	P01030	713	0.99997	0.0001	9
ANTIMONY	0	P01095	CONDUCTANCE	P00095	710	0.83515	0.0001	9
ANTIMONY	0	P01095	DISSOLVED-OXYGE	P00300	662	-0.17158	0.0001	9
ANTIMONY	0	P01095	DISSOLVED-SOLID	P70301	703	0.61163	0.0001	9
ANTIMONY	0	P01095	HARDNESS	P00900	705	0.10864	0.0039	9
ANTIMONY	0	P01095	IRON	P01045	55	0.39368	0.0029	9
ANTIMONY	0	P01095	IRON	P01046	706	0.95824	0.0001	9
ANTIMONY	0	P01095	MANGANESE	P01056	713	0.08997	0.0163	9
ANTIMONY	0	P01095	NICKEL	P01065	713	0.994	0.0001	9
ANTIMONY	0	P01095	NITRITE	P00615	5	0.99935	0.0001	9
ANTIMONY	0	P01097	NITRITE	P00613	40	0.52308	0.0005	9
ANTIMONY	0	P01095	PH	P00400	709	0.12806	0.0006	9
ANTIMONY	0	P01095	SELENIUM	P01145	706	0.78556	0.0001	9
ANTIMONY	0	P01095	TURBIDITY	P00076	193	0.41848	0.0001	9
ANTIMONY	6	P01095	ARSENIC	P01002	8	0.7106	0.0482	9
ANTIMONY	6	P01097	ARSENIC	P01000	12	0.87066	0.0002	9
ANTIMONY	6	P01097	ARSENIC	P01002	12	0.89434	0.0001	9
ANTIMONY	6	P01095	BARIUM	P01005	25	0.99982	0.0001	9
ANTIMONY	6	P01095	BERYLLIUM	P01010	25	1	0.0001	9
ANTIMONY	6	P01095	CADMIUM	P01025	25	1	0.0001	9
ANTIMONY	6	P01095	CHROMIUM	P01030	25	0.99999	0.0001	9
ANTIMONY	6	P01095	CONDUCTANCE	P00095	25	0.85415	0.0001	9
ANTIMONY	6	P01095	DISSOLVED-OXYGE	P00300	22	-0.49175	0.0201	9
ANTIMONY	6	P01095	DISSOLVED-SOLID	P70301	22	0.56445	0.0062	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ANTIMONY	6	P01095	IRON	P01046	25	0.95429	0.0001	9
ANTIMONY	6	P01095	MANGANESE	P01056	25	0.97144	0.0001	9
ANTIMONY	6	P01095	NICKEL	P01065	25	0.99997	0.0001	9
ANTIMONY	6	P01095	SELENIUM	P01145	25	0.8536	0.0001	9
ANTIMONY	6	P01095	SULFATE	P00945	25	0.69446	0.0001	9
ARSENIC	0	P01000	ALKALINITY	P39036	209	0.44229	0.0001	9
ARSENIC	0	P01002	ALKALINITY	P39036	114	0.74242	0.0001	9
ARSENIC	0	P01000	ANTIMONY	P01095	711	0.43153	0.0001	9
ARSENIC	0	P01000	ANTIMONY	P01097	165	0.87991	0.0001	9
ARSENIC	0	P01002	ANTIMONY	P01095	105	0.76869	0.0001	9
ARSENIC	0	P01002	ANTIMONY	P01097	160	0.88525	0.0001	9
ARSENIC	0	P01000	BARIUM	P01005	1168	0.42484	0.0001	9
ARSENIC	0	P01002	BARIUM	P01005	535	0.08547	0.0482	9
ARSENIC	0	P01002	BARIUM	P01007	190	0.67302	0.0001	9
ARSENIC	0	P01000	BERYLLIUM	P01010	801	0.43181	0.0001	9
ARSENIC	0	P01000	CADMIUM	P01025	1118	0.47089	0.0001	9
ARSENIC	0	P01000	CADMIUM	P01027	389	-0.10798	0.0332	9
ARSENIC	0	P01002	CADMIUM	P01025	401	-0.10007	0.0452	9
ARSENIC	0	P01000	CHROMIUM	P01030	1194	0.43246	0.0001	9
ARSENIC	0	P01000	CHROMIUM	P01032	37	0.36647	0.0257	9
ARSENIC	0	P01002	CHROMIUM	P01030	465	-0.133	0.0041	9
ARSENIC	0	P01002	CHROMIUM	P01032	37	0.46905	0.0034	9
ARSENIC	0	P01002	CHROMIUM	P01034	663	0.29555	0.0001	9
ARSENIC	0	P01000	CONDUCTANCE	P00095	1425	0.55207	0.0001	9
ARSENIC	0	P01002	CONDUCTANCE	P00095	768	0.28362	0.0001	9
ARSENIC	0	P01000	DISSOLVED-OXYGE	P00300	1253	-0.05884	0.0373	9
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	708	0.15999	0.0001	9
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	1304	0.43186	0.0001	9
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	752	0.23953	0.0001	9
ARSENIC	0	P01000	IRON	P01046	1240	0.41819	0.0001	9
ARSENIC	0	P01002	IRON	P01045	516	0.10772	0.0144	9
ARSENIC	0	P01000	MANGANESE	P01055	339	-0.14137	0.0092	9
ARSENIC	0	P01002	MANGANESE	P01055	515	-0.09301	0.0348	9
ARSENIC	0	P01002	MANGANESE	P01056	499	-0.11479	0.0103	9
ARSENIC	0	P01000	MERCURY	P71890	524	0.98283	0.0001	9
ARSENIC	0	P01000	MERCURY	P71900	502	0.13244	0.0029	9
ARSENIC	0	P01002	MERCURY	P71890	268	0.215	0.0004	9
ARSENIC	0	P01000	NICKEL	P01065	896	0.42582	0.0001	9
ARSENIC	0	P01002	NICKEL	P01067	365	0.11384	0.0297	9
ARSENIC	0	P01000	NITRATE	P00618	349	-0.11246	0.0357	9
ARSENIC	0	P01000	PH	P00400	1423	0.17109	0.0001	9
ARSENIC	0	P01002	PH	P00400	765	0.24611	0.0001	9
ARSENIC	0	P01002	RADIUM-226	P09511	7	-0.81869	0.0243	9
ARSENIC	0	P01000	SELENIUM	P01145	1165	0.69722	0.0001	9
ARSENIC	0	P01000	SELENIUM	P01147	413	-0.12182	0.0132	9
ARSENIC	0	P01002	SELENIUM	P01145	544	-0.09094	0.034	9
ARSENIC	0	P01000	SULFATE	P00945	1313	0.31351	0.0001	9
ARSENIC	0	P01002	SULFATE	P00945	757	0.11927	0.001	9
ARSENIC	2	P01000	ALKALINITY	P39036	156	0.39018	0.0001	9
ARSENIC	2	P01002	ALKALINITY	P39036	89	0.66484	0.0001	9
ARSENIC	2	P01000	ANTIMONY	P01095	483	0.43018	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	2	P01000	ANTIMONY	P01097	136	0.87899	0.0001	9
ARSENIC	2	P01002	ANTIMONY	P01095	81	0.75631	0.0001	9
ARSENIC	2	P01002	ANTIMONY	P01097	133	0.88601	0.0001	9
ARSENIC	2	P01000	BARIUM	P01005	889	0.42401	0.0001	9
ARSENIC	2	P01002	BARIUM	P01007	100	0.73426	0.0001	9
ARSENIC	2	P01000	BERYLLIUM	P01010	569	0.43079	0.0001	9
ARSENIC	2	P01000	CADMIUM	P01025	851	0.47024	0.0001	9
ARSENIC	2	P01002	CADMIUM	P01027	515	0.102	0.0206	9
ARSENIC	2	P01000	CHROMIUM	P01030	927	0.43196	0.0001	9
ARSENIC	2	P01000	CHROMIUM	P01032	37	0.36647	0.0257	9
ARSENIC	2	P01002	CHROMIUM	P01030	414	-0.12477	0.0111	9
ARSENIC	2	P01002	CHROMIUM	P01032	37	0.46905	0.0034	9
ARSENIC	2	P01002	CHROMIUM	P01034	514	0.27449	0.0001	9
ARSENIC	2	P01000	CONDUCTANCE	P00095	1119	0.55235	0.0001	9
ARSENIC	2	P01002	CONDUCTANCE	P00095	611	0.27436	0.0001	9
ARSENIC	2	P01002	DISSOLVED-OXYGE	P00300	555	0.13747	0.0012	9
ARSENIC	2	P01000	DISSOLVED-SOLID	P70301	996	0.43227	0.0001	9
ARSENIC	2	P01002	DISSOLVED-SOLID	P70301	598	0.2405	0.0001	9
ARSENIC	2	P01002	HARDNESS	P00900	603	0.11175	0.006	9
ARSENIC	2	P01000	IRON	P01046	928	0.42187	0.0001	9
ARSENIC	2	P01000	MANGANESE	P01056	889	0.37514	0.0001	9
ARSENIC	2	P01000	MERCURY	P71890	451	0.98358	0.0001	9
ARSENIC	2	P01000	MERCURY	P71900	448	0.12193	0.0098	9
ARSENIC	2	P01002	MERCURY	P71890	236	0.21185	0.0011	9
ARSENIC	2	P01000	NICKEL	P01065	639	0.43076	0.0001	9
ARSENIC	2	P01002	NICKEL	P01067	239	0.19444	0.0025	9
ARSENIC	2	P01000	NITRATE	P00618	266	-0.14387	0.0189	9
ARSENIC	2	P01000	PH	P00400	1120	0.18835	0.0001	9
ARSENIC	2	P01002	PH	P00400	608	0.22163	0.0001	9
ARSENIC	2	P01002	RADIUM-226	P09511	7	-0.81869	0.0243	9
ARSENIC	2	P01000	SELENIUM	P01145	901	0.73723	0.0001	9
ARSENIC	2	P01000	SELENIUM	P01147	363	-0.13584	0.0096	9
ARSENIC	2	P01002	SELENIUM	P01145	402	-0.14188	0.0044	9
ARSENIC	2	P01000	SULFATE	P00945	1002	0.31416	0.0001	9
ARSENIC	2	P01002	SULFATE	P00945	602	0.17513	0.0001	9
ARSENIC	5	P01000	ALKALINITY	P39036	75	0.24827	0.0317	9
ARSENIC	5	P01002	ALKALINITY	P39036	72	0.59301	0.0001	9
ARSENIC	5	P01000	ANTIMONY	P01095	297	0.42753	0.0001	9
ARSENIC	5	P01000	ANTIMONY	P01097	77	0.89056	0.0001	9
ARSENIC	5	P01002	ANTIMONY	P01095	58	0.7429	0.0001	9
ARSENIC	5	P01002	ANTIMONY	P01097	82	0.89139	0.0001	9
ARSENIC	5	P01000	BARIUM	P01005	500	0.42331	0.0001	9
ARSENIC	5	P01002	BARIUM	P01007	59	0.84719	0.0001	9
ARSENIC	5	P01000	BERYLLIUM	P01010	344	0.42845	0.0001	9
ARSENIC	5	P01000	CADMIUM	P01025	501	0.46831	0.0001	9
ARSENIC	5	P01000	CHROMIUM	P01030	579	0.43059	0.0001	9
ARSENIC	5	P01002	CHROMIUM	P01030	288	-0.15654	0.0078	9
ARSENIC	5	P01002	CHROMIUM	P01032	7	0.80064	0.0305	9
ARSENIC	5	P01002	CHROMIUM	P01034	316	0.23714	0.0001	9
ARSENIC	5	P01000	CONDUCTANCE	P00095	707	0.55112	0.0001	9
ARSENIC	5	P01002	CONDUCTANCE	P00095	406	0.25535	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	5	P01002	DISSOLVED-OXYGE	P00300	369	0.13518	0.0093	9
ARSENIC	5	P01000	DISSOLVED-SOLID	P70301	600	0.42956	0.0001	9
ARSENIC	5	P01002	DISSOLVED-SOLID	P70301	399	0.22515	0.0001	9
ARSENIC	5	P01002	HARDNESS	P00900	403	0.09965	0.0456	9
ARSENIC	5	P01000	IRON	P01046	516	0.41997	0.0001	9
ARSENIC	5	P01000	MANGANESE	P01055	162	-0.157	0.046	9
ARSENIC	5	P01000	MANGANESE	P01056	512	0.37721	0.0001	9
ARSENIC	5	P01000	MERCURY	P71890	320	0.98684	0.0001	9
ARSENIC	5	P01002	MERCURY	P71890	184	0.21822	0.0029	9
ARSENIC	5	P01000	NICKEL	P01065	383	0.42864	0.0001	9
ARSENIC	5	P01002	NICKEL	P01067	152	0.28941	0.0003	9
ARSENIC	5	P01000	NITRATE	P00618	126	-0.24498	0.0057	9
ARSENIC	5	P01000	NITRITE	P00615	43	-0.33416	0.0285	9
ARSENIC	5	P01002	NITRITE	P00615	124	-0.20175	0.0246	9
ARSENIC	5	P01000	PH	P00400	706	0.23204	0.0001	9
ARSENIC	5	P01002	PH	P00400	403	0.20528	0.0001	9
ARSENIC	5	P01000	SELENIUM	P01145	574	0.73772	0.0001	9
ARSENIC	5	P01000	SELENIUM	P01147	234	-0.18449	0.0046	9
ARSENIC	5	P01002	SELENIUM	P01145	277	-0.15909	0.008	9
ARSENIC	5	P01000	SULFATE	P00945	604	0.31113	0.0001	9
ARSENIC	5	P01002	SULFATE	P00945	401	0.18867	0.0001	9
ARSENIC	10	P01002	ALKALINITY	P39036	58	0.45921	0.0003	9
ARSENIC	10	P01000	ANTIMONY	P01095	192	0.42378	0.0001	9
ARSENIC	10	P01000	ANTIMONY	P01097	43	0.89408	0.0001	9
ARSENIC	10	P01002	ANTIMONY	P01095	38	0.71781	0.0001	9
ARSENIC	10	P01002	ANTIMONY	P01097	55	0.89384	0.0001	9
ARSENIC	10	P01000	BARIUM	P01005	269	0.42015	0.0001	9
ARSENIC	10	P01002	BARIUM	P01007	36	0.94386	0.0001	9
ARSENIC	10	P01000	BERYLLIUM	P01010	205	0.42445	0.0001	9
ARSENIC	10	P01000	CADMIUM	P01025	276	0.46451	0.0001	9
ARSENIC	10	P01000	CHROMIUM	P01030	349	0.42823	0.0001	9
ARSENIC	10	P01002	CHROMIUM	P01030	186	-0.16032	0.0288	9
ARSENIC	10	P01002	CHROMIUM	P01034	187	0.19605	0.0072	9
ARSENIC	10	P01000	CONDUCTANCE	P00095	466	0.55111	0.0001	9
ARSENIC	10	P01002	CONDUCTANCE	P00095	268	0.30587	0.0001	9
ARSENIC	10	P01002	DISSOLVED-OXYGE	P00300	252	0.16599	0.0083	9
ARSENIC	10	P01000	DISSOLVED-SOLID	P70301	364	0.42797	0.0001	9
ARSENIC	10	P01002	DISSOLVED-SOLID	P70301	264	0.25518	0.0001	9
ARSENIC	10	P01002	HARDNESS	P00900	266	0.12605	0.0399	9
ARSENIC	10	P01000	IRON	P01046	285	0.4164	0.0001	9
ARSENIC	10	P01000	MANGANESE	P01056	284	0.38794	0.0001	9
ARSENIC	10	P01000	MERCURY	P71890	198	0.98759	0.0001	9
ARSENIC	10	P01002	MERCURY	P71890	126	0.22009	0.0133	9
ARSENIC	10	P01000	NICKEL	P01065	211	0.42449	0.0001	9
ARSENIC	10	P01002	NICKEL	P01067	91	0.23015	0.0282	9
ARSENIC	10	P01000	NITRITE	P00615	17	-0.50806	0.0373	9
ARSENIC	10	P01000	PH	P00400	465	0.26538	0.0001	9
ARSENIC	10	P01002	PH	P00400	266	0.17439	0.0043	9
ARSENIC	10	P01000	SELENIUM	P01145	347	0.77294	0.0001	9
ARSENIC	10	P01000	SULFATE	P00945	367	0.30775	0.0001	9
ARSENIC	10	P01002	SULFATE	P00945	264	0.20987	0.0006	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
ARSENIC	20	P01000	ANTIMONY	P01095	106	0.41513	0.0001	9
ARSENIC	20	P01000	ANTIMONY	P01097	11	0.89829	0.0002	9
ARSENIC	20	P01002	ANTIMONY	P01095	12	0.77613	0.003	9
ARSENIC	20	P01002	ANTIMONY	P01097	13	0.92846	0.0001	9
ARSENIC	20	P01000	BARIUM	P01005	127	0.41305	0.0001	9
ARSENIC	20	P01002	BARIUM	P01005	29	-0.41046	0.027	9
ARSENIC	20	P01000	BERYLLIUM	P01010	111	0.41602	0.0001	9
ARSENIC	20	P01002	BERYLLIUM	P01010	13	0.67792	0.0109	9
ARSENIC	20	P01000	CADMIUM	P01025	135	0.45558	0.0001	9
ARSENIC	20	P01000	CHROMIUM	P01030	201	0.42385	0.0001	9
ARSENIC	20	P01000	CONDUCTANCE	P00095	279	0.55231	0.0001	9
ARSENIC	20	P01002	CONDUCTANCE	P00095	106	0.69494	0.0001	9
ARSENIC	20	P01002	DISSOLVED-OXYGE	P00300	100	0.23646	0.0179	9
ARSENIC	20	P01000	DISSOLVED-SOLID	P70301	205	0.4237	0.0001	9
ARSENIC	20	P01002	DISSOLVED-SOLID	P70301	106	0.68663	0.0001	9
ARSENIC	20	P01002	HARDNESS	P00900	106	0.52025	0.0001	9
ARSENIC	20	P01000	IRON	P01046	132	0.40741	0.0001	9
ARSENIC	20	P01000	MANGANESE	P01056	131	0.37926	0.0001	9
ARSENIC	20	P01000	MERCURY	P71890	112	0.98849	0.0001	9
ARSENIC	20	P01002	MERCURY	P71890	78	0.23359	0.0396	9
ARSENIC	20	P01000	NICKEL	P01065	112	0.416	0.0001	9
ARSENIC	20	P01000	NICKEL	P01067	11	0.64498	0.0321	9
ARSENIC	20	P01002	NICKEL	P01067	24	0.41497	0.0438	9
ARSENIC	20	P01002	NITRITE	P00613	7	0.99135	0.0001	9
ARSENIC	20	P01000	PH	P00400	279	0.32578	0.0001	9
ARSENIC	20	P01002	PH	P00400	106	0.21434	0.0274	9
ARSENIC	20	P01000	SELENIUM	P01145	199	0.7722	0.0001	9
ARSENIC	20	P01000	SULFATE	P00945	208	0.29834	0.0001	9
ARSENIC	20	P01002	SULFATE	P00945	106	0.67007	0.0001	9
BARIUM	0	P01005	ALKALINITY	P39036	358	0.36824	0.0001	9
BARIUM	0	P01005	BERYLLIUM	P01010	870	0.99652	0.0001	9
BARIUM	0	P01005	CADMIUM	P01025	1178	0.9943	0.0001	9
BARIUM	0	P01007	CADMIUM	P01027	190	0.98676	0.0001	9
BARIUM	0	P01005	CHROMIUM	P01030	1178	0.99425	0.0001	9
BARIUM	0	P01005	CHROMIUM	P01034	505	-0.17523	0.0001	9
BARIUM	0	P01007	CHROMIUM	P01034	191	0.85929	0.0001	9
BARIUM	0	P01005	CONDUCTANCE	P00095	1674	0.81222	0.0001	9
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	1520	-0.13599	0.0001	9
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	1628	0.50822	0.0001	9
BARIUM	0	P01005	HARDNESS	P00900	1692	0.20882	0.0001	9
BARIUM	0	P01005	IRON	P01045	441	-0.14149	0.0029	9
BARIUM	0	P01005	IRON	P01046	1690	0.90428	0.0001	9
BARIUM	0	P01007	IRON	P01045	162	0.9536	0.0001	9
BARIUM	0	P01007	MANGANESE	P01055	159	0.77298	0.0001	9
BARIUM	0	P01007	MANGANESE	P01056	119	0.42745	0.0001	9
BARIUM	0	P01007	MERCURY	P71900	184	0.71793	0.0001	9
BARIUM	0	P01005	NICKEL	P01065	1421	0.97669	0.0001	9
BARIUM	0	P01005	NICKEL	P01067	298	0.12861	0.0264	9
BARIUM	0	P01005	PH	P00400	1671	0.11142	0.0001	9
BARIUM	0	P01005	SELENIUM	P01145	1531	0.77518	0.0001	9
BARIUM	0	P01005	SELENIUM	P01147	465	0.17627	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01007	SELENIUM	P01147	154	0.18432	0.0221	9
BARIUM	0	P01005	THALLIUM	P01059	20	0.67588	0.0011	9
BARIUM	0	P01007	TURBIDITY	P00076	155	0.99373	0.0001	9
BARIUM	2000	P01005	ANTIMONY	P01095	4	1	0.0001	9
BARIUM	2000	P01005	BERYLLIUM	P01010	4	1	0.0001	9
BARIUM	2000	P01005	CADMIUM	P01025	4	1	0.0001	9
BARIUM	2000	P01005	CHROMIUM	P01030	4	1	0.0001	9
BARIUM	2000	P01005	MANGANESE	P01056	4	1	0.0001	9
BARIUM	2000	P01005	NICKEL	P01065	4	1	0.0001	9
BARIUM	2000	P01005	PH	P00400	4	-0.99698	0.003	9
BARIUM	2000	P01005	SULFATE	P00945	4	0.97389	0.0261	9
BERYLLIUM	0	P01010	CADMIUM	P01025	871	0.99999	0.0001	9
BERYLLIUM	0	P01010	CHROMIUM	P01030	871	0.99995	0.0001	9
BERYLLIUM	0	P01010	CHROMIUM	P01034	94	-0.21103	0.0412	9
BERYLLIUM	0	P01010	CONDUCTANCE	P00095	850	0.83477	0.0001	9
BERYLLIUM	0	P01010	CYANIDE	P00720	71	0.51983	0.0001	9
BERYLLIUM	0	P01010	DISSOLVED-OXYGE	P00300	751	-0.15606	0.0001	9
BERYLLIUM	0	P01010	DISSOLVED-SOLID	P70301	813	0.61168	0.0001	9
BERYLLIUM	0	P01010	HARDNESS	P00900	863	0.1088	0.0014	9
BERYLLIUM	0	P01010	IRON	P01045	57	-0.26588	0.0456	9
BERYLLIUM	0	P01010	IRON	P01046	864	0.91559	0.0001	9
BERYLLIUM	0	P01010	NICKEL	P01065	871	0.98756	0.0001	9
BERYLLIUM	0	P01010	NICKEL	P01067	108	0.19525	0.0429	9
BERYLLIUM	0	P01010	PH	P00400	849	0.10284	0.0027	9
BERYLLIUM	0	P01010	SELENIUM	P01145	770	0.78532	0.0001	9
BERYLLIUM	4	P01010	ANTIMONY	P01095	56	0.99999	0.0001	9
BERYLLIUM	4	P01010	ARSENIC	P01000	56	0.39864	0.0023	9
BERYLLIUM	4	P01010	BARIUM	P01005	57	0.99963	0.0001	9
BERYLLIUM	4	P01010	CADMIUM	P01025	58	1	0.0001	9
BERYLLIUM	4	P01010	CHROMIUM	P01030	58	0.99999	0.0001	9
BERYLLIUM	4	P01010	CONDUCTANCE	P00095	57	0.85082	0.0001	9
BERYLLIUM	4	P01010	DISSOLVED-OXYGE	P00300	50	-0.48786	0.0003	9
BERYLLIUM	4	P01010	DISSOLVED-SOLID	P70301	54	0.59608	0.0001	9
BERYLLIUM	4	P01010	IRON	P01046	58	0.95739	0.0001	9
BERYLLIUM	4	P01010	MERCURY	P71890	32	-0.48795	0.0046	9
BERYLLIUM	4	P01010	NICKEL	P01065	58	0.99451	0.0001	9
BERYLLIUM	4	P01010	SELENIUM	P01145	56	0.86337	0.0001	9
BERYLLIUM	4	P01010	SULFATE	P00945	58	0.71883	0.0001	9
CADMIUM	0	P01025	ALKALINITY	P39036	184	0.2788	0.0001	9
CADMIUM	0	P01025	CHROMIUM	P01030	1186	0.99996	0.0001	9
CADMIUM	0	P01027	CHROMIUM	P01034	669	0.39102	0.0001	9
CADMIUM	0	P01025	CONDUCTANCE	P00095	1168	0.81304	0.0001	9
CADMIUM	0	P01027	CONDUCTANCE	P00095	669	0.0996	0.0099	9
CADMIUM	0	P01025	DISSOLVED-OXYGE	P00300	1044	-0.1483	0.0001	9
CADMIUM	0	P01027	DISSOLVED-OXYGE	P00300	608	-0.19687	0.0001	9
CADMIUM	0	P01025	DISSOLVED-SOLID	P70301	1130	0.32003	0.0001	9
CADMIUM	0	P01027	DISSOLVED-SOLID	P70301	657	0.19299	0.0001	9
CADMIUM	0	P01025	HARDNESS	P00900	1183	0.10497	0.0003	9
CADMIUM	0	P01027	HARDNESS	P00900	663	0.35265	0.0001	9
CADMIUM	0	P01025	IRON	P01046	1173	0.37463	0.0001	9
CADMIUM	0	P01027	IRON	P01045	521	0.42188	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CADMIUM	0	P01025	MANGANESE	P01055	332	0.89062	0.0001	9
CADMIUM	0	P01025	MANGANESE	P01056	1179	0.06127	0.0354	9
CADMIUM	0	P01027	MANGANESE	P01055	520	0.82557	0.0001	9
CADMIUM	0	P01027	MANGANESE	P01056	470	0.75374	0.0001	9
CADMIUM	0	P01025	MERCURY	P71890	427	0.99651	0.0001	9
CADMIUM	0	P01027	MERCURY	P71900	655	0.1652	0.0001	9
CADMIUM	0	P01025	NICKEL	P01065	967	0.98287	0.0001	9
CADMIUM	0	P01025	NICKEL	P01067	206	0.79162	0.0001	9
CADMIUM	0	P01027	NICKEL	P01065	258	0.76224	0.0001	9
CADMIUM	0	P01027	NICKEL	P01067	367	0.51855	0.0001	9
CADMIUM	0	P01027	PH	P00400	669	-0.19732	0.0001	9
CADMIUM	0	P01025	SELENIUM	P01145	1086	0.78297	0.0001	9
CADMIUM	0	P01025	SELENIUM	P01147	368	0.20365	0.0001	9
CADMIUM	0	P01027	TURBIDITY	P00076	499	0.10256	0.0219	9
CADMIUM	5	P01025	ANTIMONY	P01095	28	1	0.0001	9
CADMIUM	5	P01025	ARSENIC	P01000	34	0.40185	0.0185	9
CADMIUM	5	P01025	ARSENIC	P01002	17	0.60748	0.0097	9
CADMIUM	5	P01027	ARSENIC	P01000	13	0.94428	0.0001	9
CADMIUM	5	P01025	BARIUM	P01005	40	0.99978	0.0001	9
CADMIUM	5	P01025	BERYLLIUM	P01010	34	1	0.0001	9
CADMIUM	5	P01025	CHROMIUM	P01030	40	0.99999	0.0001	9
CADMIUM	5	P01025	CONDUCTANCE	P00095	41	0.83153	0.0001	9
CADMIUM	5	P01027	CONDUCTANCE	P00095	19	-0.45643	0.0495	9
CADMIUM	5	P01025	DISSOLVED-OXYGE	P00300	37	-0.483	0.0025	9
CADMIUM	5	P01027	DISSOLVED-OXYGE	P00300	17	-0.51251	0.0354	9
CADMIUM	5	P01027	DISSOLVED-SOLID	P70301	19	-0.48876	0.0337	9
CADMIUM	5	P01027	HARDNESS	P00900	19	-0.46469	0.045	9
CADMIUM	5	P01025	IRON	P01046	43	0.32762	0.032	9
CADMIUM	5	P01027	IRON	P01045	14	0.94818	0.0001	9
CADMIUM	5	P01025	MANGANESE	P01055	13	0.84796	0.0003	9
CADMIUM	5	P01027	MANGANESE	P01056	13	-0.75001	0.0032	9
CADMIUM	5	P01025	MERCURY	P71890	18	0.99997	0.0001	9
CADMIUM	5	P01025	NICKEL	P01065	39	0.99091	0.0001	9
CADMIUM	5	P01027	NICKEL	P01065	12	-0.75264	0.0047	9
CADMIUM	5	P01027	PH	P00400	19	-0.79588	0.0001	9
CADMIUM	5	P01025	SELENIUM	P01145	33	0.85806	0.0001	9
CADMIUM	5	P01025	SELENIUM	P01147	14	0.96856	0.0001	9
CADMIUM	5	P01027	SELENIUM	P01147	19	0.57297	0.0103	9
CADMIUM	5	P01025	SULFATE	P00945	42	0.65964	0.0001	9
CADMIUM	5	P01027	SULFATE	P00945	19	-0.47554	0.0396	9
CADMIUM	5	P01027	TURBIDITY	P00076	14	0.8563	0.0001	9
CHROMIUM	0	P01034	ALKALINITY	P39036	109	-0.33949	0.0003	9
CHROMIUM	0	P01030	CONDUCTANCE	P00095	1245	0.81022	0.0001	9
CHROMIUM	0	P01034	CONDUCTANCE	P00095	668	-0.14382	0.0002	9
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	1120	-0.12525	0.0001	9
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	1206	0.58764	0.0001	9
CHROMIUM	0	P01034	DISSOLVED-SOLID	P70301	654	-0.14413	0.0002	9
CHROMIUM	0	P01030	HARDNESS	P00900	1259	0.08521	0.0025	9
CHROMIUM	0	P01034	HARDNESS	P00900	662	-0.14983	0.0001	9
CHROMIUM	0	P01030	IRON	P01046	1170	0.91583	0.0001	9
CHROMIUM	0	P01032	IRON	P01045	9	0.96251	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
CHROMIUM	0	P01034	IRON	P01045	522	0.7894	0.0001	9
CHROMIUM	0	P01030	MANGANESE	P01055	331	0.1745	0.0014	9
CHROMIUM	0	P01032	MANGANESE	P01055	9	0.96966	0.0001	9
CHROMIUM	0	P01034	MANGANESE	P01055	519	0.15097	0.0006	9
CHROMIUM	0	P01034	MERCURY	P71900	654	0.33957	0.0001	9
CHROMIUM	0	P01030	NICKEL	P01065	968	0.98296	0.0001	9
CHROMIUM	0	P01034	NICKEL	P01067	367	0.11432	0.0285	9
CHROMIUM	0	P01030	NITRITE	P00613	829	0.16677	0.0001	9
CHROMIUM	0	P01030	NITRITE	P00615	97	0.28434	0.0048	9
CHROMIUM	0	P01030	PH	P00400	1245	0.07821	0.0058	9
CHROMIUM	0	P01034	PH	P00400	668	-0.09275	0.0165	9
CHROMIUM	0	P01030	SELENIUM	P01145	1163	0.78324	0.0001	9
CHROMIUM	0	P01030	SELENIUM	P01147	432	0.23667	0.0001	9
CHROMIUM	0	P01034	TURBIDITY	P00076	500	0.27962	0.0001	9
CHROMIUM	100	P01030	ANTIMONY	P01095	7	1	0.0001	9
CHROMIUM	100	P01030	BARIUM	P01005	7	1	0.0001	9
CHROMIUM	100	P01030	BERYLLIUM	P01010	7	1	0.0001	9
CHROMIUM	100	P01030	CADMIUM	P01025	7	1	0.0001	9
CHROMIUM	100	P01030	CONDUCTANCE	P00095	7	0.89369	0.0067	9
CHROMIUM	100	P01034	HARDNESS	P00900	6	0.9067	0.0127	9
CHROMIUM	100	P01030	IRON	P01046	7	0.93854	0.0017	9
CHROMIUM	100	P01034	IRON	P01045	4	0.95258	0.0474	9
CHROMIUM	100	P01030	MANGANESE	P01056	7	0.99995	0.0001	9
CHROMIUM	100	P01034	MANGANESE	P01055	4	0.95712	0.0429	9
CHROMIUM	100	P01030	NICKEL	P01065	7	1	0.0001	9
CHROMIUM	100	P01030	SELENIUM	P01145	7	0.78479	0.0366	9
CHROMIUM	100	P01034	SULFATE	P00945	6	0.92191	0.0089	9
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	452	-0.12352	0.0086	9
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	446	0.6349	0.0001	9
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	3140	0.95597	0.0001	9
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	3201	0.48222	0.0001	9
DISSOLVED-SOLID	0	P70301	PH	P00400	3125	0.10744	0.0001	9
DISSOLVED-SOLID	500	P70301	ALKALINITY	P39036	119	0.44874	0.0001	9
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01095	216	0.61222	0.0001	9
DISSOLVED-SOLID	500	P70301	ANTIMONY	P01097	81	0.27885	0.0117	9
DISSOLVED-SOLID	500	P70301	ARSENIC	P01000	470	0.48956	0.0001	9
DISSOLVED-SOLID	500	P70301	ARSENIC	P01002	289	0.22479	0.0001	9
DISSOLVED-SOLID	500	P70301	BARIUM	P01005	505	0.52424	0.0001	9
DISSOLVED-SOLID	500	P70301	BERYLLIUM	P01010	244	0.61217	0.0001	9
DISSOLVED-SOLID	500	P70301	CADMIUM	P01025	389	0.59409	0.0001	9
DISSOLVED-SOLID	500	P70301	CADMIUM	P01027	226	0.45287	0.0001	9
DISSOLVED-SOLID	500	P70301	CHROMIUM	P01030	435	0.58985	0.0001	9
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	1069	0.95803	0.0001	9
DISSOLVED-SOLID	500	P70301	HARDNESS	P00900	1084	0.43655	0.0001	9
DISSOLVED-SOLID	500	P70301	IRON	P01046	973	0.8305	0.0001	9
DISSOLVED-SOLID	500	P70301	MANGANESE	P01055	197	0.52285	0.0001	9
DISSOLVED-SOLID	500	P70301	MERCURY	P71890	222	0.20535	0.0021	9
DISSOLVED-SOLID	500	P70301	NICKEL	P01065	386	0.43616	0.0001	9
DISSOLVED-SOLID	500	P70301	NICKEL	P01067	90	0.41739	0.0001	9
DISSOLVED-SOLID	500	P70301	NITRITE	P00615	103	0.37801	0.0001	9
DISSOLVED-SOLID	500	P70301	PH	P00400	1058	0.09853	0.0013	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	500	P70301	SELENIUM	P01145	574	0.377	0.0001	9
DISSOLVED-SOLID	500	P70301	SELENIUM	P01147	239	0.40142	0.0001	9
DISSOLVED-SOLID	500	P70301	SULFATE	P00945	1084	0.95386	0.0001	9
HARDNESS	0	P00900	ALKALINITY	P39036	486	0.65321	0.0001	9
HARDNESS	0	P00900	CONDUCTANCE	P00095	3251	0.5575	0.0001	9
HARDNESS	0	P00900	PH	P00400	3234	0.09572	0.0001	9
HARDNESS	300	P00900	ALKALINITY	P39036	83	0.28575	0.0088	9
HARDNESS	300	P00900	ANTIMONY	P01095	162	0.46641	0.0001	9
HARDNESS	300	P00900	BERYLLIUM	P01010	173	0.45508	0.0001	9
HARDNESS	300	P00900	CADMIUM	P01025	265	0.38545	0.0001	9
HARDNESS	300	P00900	CADMIUM	P01027	162	0.80027	0.0001	9
HARDNESS	300	P00900	CHROMIUM	P01030	278	0.3172	0.0001	9
HARDNESS	300	P00900	CONDUCTANCE	P00095	724	0.50843	0.0001	9
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	720	0.47118	0.0001	9
HARDNESS	300	P00900	IRON	P01046	660	0.20202	0.0001	9
HARDNESS	300	P00900	MANGANESE	P01055	143	0.89146	0.0001	9
HARDNESS	300	P00900	MANGANESE	P01056	609	0.37768	0.0001	9
HARDNESS	300	P00900	NICKEL	P01065	277	0.45858	0.0001	9
HARDNESS	300	P00900	NICKEL	P01067	71	0.82641	0.0001	9
HARDNESS	300	P00900	NITRATE	P00618	326	0.11164	0.044	9
HARDNESS	300	P00900	PH	P00400	720	-0.23658	0.0001	9
HARDNESS	300	P00900	SELENIUM	P01145	387	0.21352	0.0001	9
HARDNESS	300	P00900	SELENIUM	P01147	153	0.24124	0.0027	9
HARDNESS	300	P00900	SULFATE	P00945	728	0.44288	0.0001	9
IRON	0	P01046	ALKALINITY	P39036	455	-0.12483	0.0077	9
IRON	0	P01046	CONDUCTANCE	P00095	2958	0.25403	0.0001	9
IRON	0	P01046	DISSOLVED-SOLID	P70301	2845	0.15518	0.0001	9
IRON	0	P01045	HARDNESS	P00900	518	-0.08859	0.0439	9
IRON	0	P01046	HARDNESS	P00900	2964	0.16295	0.0001	9
IRON	0	P01045	MANGANESE	P01055	559	0.13623	0.0012	9
IRON	0	P01046	MANGANESE	P01056	2869	0.15593	0.0001	9
IRON	0	P01045	MERCURY	P71900	511	0.39438	0.0001	9
IRON	0	P01046	MERCURY	P71890	450	0.84398	0.0001	9
IRON	0	P01046	NICKEL	P01065	1412	0.89912	0.0001	9
IRON	0	P01046	PH	P00400	2950	-0.17833	0.0001	9
IRON	0	P01045	SELENIUM	P01147	507	0.13708	0.002	9
IRON	0	P01046	SELENIUM	P01145	1763	0.64488	0.0001	9
IRON	0	P01045	TURBIDITY	P00076	533	0.50768	0.0001	9
IRON	0	P01046	TURBIDITY	P00076	1062	0.27848	0.0001	9
IRON	300	P01045	ANTIMONY	P01095	14	0.92687	0.0001	9
IRON	300	P01045	ANTIMONY	P01097	59	0.52413	0.0001	9
IRON	300	P01046	ANTIMONY	P01095	9	0.94286	0.0001	9
IRON	300	P01045	ARSENIC	P01002	230	0.34916	0.0001	9
IRON	300	P01045	BARIUM	P01007	74	0.95809	0.0001	9
IRON	300	P01046	BARIUM	P01005	23	0.90373	0.0001	9
IRON	300	P01046	BERYLLIUM	P01010	16	0.89747	0.0001	9
IRON	300	P01045	CADMIUM	P01027	235	0.5581	0.0001	9
IRON	300	P01045	CHROMIUM	P01034	235	0.78595	0.0001	9
IRON	300	P01046	CHROMIUM	P01030	18	0.90036	0.0001	9
IRON	300	P01046	HARDNESS	P00900	40	0.56877	0.0001	9
IRON	300	P01045	MANGANESE	P01055	244	0.29696	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
IRON	300	P01046	MANGANESE	P01056	43	0.9911	0.0001	9
IRON	300	P01045	MERCURY	P71900	232	0.45383	0.0001	9
IRON	300	P01046	NICKEL	P01065	22	0.90382	0.0001	9
IRON	300	P01046	PH	P00400	38	-0.59606	0.0001	9
IRON	300	P01045	SELENIUM	P01147	229	0.13605	0.0397	9
IRON	300	P01046	SELENIUM	P01145	19	0.71663	0.0006	9
IRON	300	P01045	TURBIDITY	P00076	231	0.49564	0.0001	9
IRON	2500	P01045	ANTIMONY	P01097	20	0.62603	0.0031	9
IRON	2500	P01045	ARSENIC	P01002	72	0.39211	0.0007	9
IRON	2500	P01045	BARIUM	P01005	65	-0.25906	0.0372	9
IRON	2500	P01045	BARIUM	P01007	13	0.97019	0.0001	9
IRON	2500	P01045	CADMIUM	P01027	73	0.56747	0.0001	9
IRON	2500	P01045	CHROMIUM	P01034	73	0.74722	0.0001	9
IRON	2500	P01045	MANGANESE	P01055	73	0.36715	0.0014	9
IRON	2500	P01046	MANGANESE	P01056	6	0.99463	0.0001	9
IRON	2500	P01045	MERCURY	P71900	72	0.5896	0.0001	9
IRON	2500	P01045	SELENIUM	P01147	72	0.34394	0.0031	9
IRON	2500	P01046	SELENIUM	P01145	3	0.99965	0.0169	9
IRON	2500	P01045	TURBIDITY	P00076	72	0.4472	0.0001	9
MANGANESE	0	P01056	ALKALINITY	P39036	452	0.15987	0.0006	9
MANGANESE	0	P01055	CONDUCTANCE	P00095	559	0.33721	0.0001	9
MANGANESE	0	P01056	CONDUCTANCE	P00095	2814	0.08117	0.0001	9
MANGANESE	0	P01055	DISSOLVED-OXYGE	P00300	537	-0.1634	0.0001	9
MANGANESE	0	P01055	DISSOLVED-SOLID	P70301	511	0.52551	0.0001	9
MANGANESE	0	P01056	DISSOLVED-SOLID	P70301	2695	0.06599	0.0006	9
MANGANESE	0	P01055	HARDNESS	P00900	515	0.81377	0.0001	9
MANGANESE	0	P01056	HARDNESS	P00900	2813	0.40563	0.0001	9
MANGANESE	0	P01055	NICKEL	P01065	218	0.95543	0.0001	9
MANGANESE	0	P01055	NICKEL	P01067	245	0.91593	0.0001	9
MANGANESE	0	P01056	NICKEL	P01065	1420	0.22736	0.0001	9
MANGANESE	0	P01056	NICKEL	P01067	299	0.8978	0.0001	9
MANGANESE	0	P01055	PH	P00400	559	-0.25409	0.0001	9
MANGANESE	0	P01056	PH	P00400	2815	-0.1291	0.0001	9
MANGANESE	0	P01055	SELENIUM	P01145	428	-0.10541	0.0292	9
MANGANESE	50	P01056	ALKALINITY	P39036	42	0.38712	0.0113	9
MANGANESE	50	P01055	ANTIMONY	P01097	70	-0.25349	0.0342	9
MANGANESE	50	P01056	ANTIMONY	P01097	32	-0.37612	0.0339	9
MANGANESE	50	P01055	ARSENIC	P01000	185	-0.39054	0.0001	9
MANGANESE	50	P01055	ARSENIC	P01002	246	-0.15762	0.0133	9
MANGANESE	50	P01056	ARSENIC	P01002	112	-0.39872	0.0001	9
MANGANESE	50	P01055	BARIUM	P01007	67	0.79352	0.0001	9
MANGANESE	50	P01056	BARIUM	P01007	17	0.55327	0.0212	9
MANGANESE	50	P01055	CADMIUM	P01025	186	0.88443	0.0001	9
MANGANESE	50	P01055	CADMIUM	P01027	251	0.81718	0.0001	9
MANGANESE	50	P01056	CADMIUM	P01027	106	0.72597	0.0001	9
MANGANESE	50	P01055	CHROMIUM	P01030	185	0.18137	0.0135	9
MANGANESE	50	P01055	CONDUCTANCE	P00095	257	0.27348	0.0001	9
MANGANESE	50	P01055	DISSOLVED-OXYGE	P00300	245	-0.1942	0.0023	9
MANGANESE	50	P01055	DISSOLVED-SOLID	P70301	249	0.49264	0.0001	9
MANGANESE	50	P01055	HARDNESS	P00900	251	0.81762	0.0001	9
MANGANESE	50	P01056	HARDNESS	P00900	583	0.59482	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	50	P01056	IRON	P01046	593	0.14692	0.0003	9
MANGANESE	50	P01055	NICKEL	P01065	116	0.95076	0.0001	9
MANGANESE	50	P01055	NICKEL	P01067	113	0.95465	0.0001	9
MANGANESE	50	P01056	NICKEL	P01065	250	0.18934	0.0026	9
MANGANESE	50	P01056	NICKEL	P01067	69	0.97927	0.0001	9
MANGANESE	50	P01055	PH	P00400	257	-0.30782	0.0001	9
MANGANESE	50	P01056	PH	P00400	583	-0.23067	0.0001	9
MANGANESE	50	P01055	SELENIUM	P01145	225	-0.15049	0.024	9
MANGANESE	50	P01056	SELENIUM	P01147	106	-0.20108	0.0388	9
MANGANESE	50	P01055	SULFATE	P00945	251	0.84996	0.0001	9
MANGANESE	50	P01056	SULFATE	P00945	584	0.09646	0.0197	9
MERCURY	0	P71900	ALKALINITY	P39036	115	0.35178	0.0001	9
MERCURY	0	P71890	CONDUCTANCE	P00095	523	0.13108	0.0027	9
MERCURY	0	P71900	TURBIDITY	P00076	524	0.20998	0.0001	9
MERCURY	2	P71890	ARSENIC	P01000	3	0.99927	0.0243	9
MERCURY	2	P71900	ARSENIC	P01000	3	-0.99933	0.0232	9
NICKEL	0	P01067	ALKALINITY	P39036	56	-0.39323	0.0027	9
NICKEL	0	P01065	CONDUCTANCE	P00095	1398	0.80746	0.0001	9
NICKEL	0	P01067	CONDUCTANCE	P00095	385	0.40583	0.0001	9
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	1257	-0.15404	0.0001	9
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	1351	0.46424	0.0001	9
NICKEL	0	P01067	DISSOLVED-SOLID	P70301	374	0.56189	0.0001	9
NICKEL	0	P01065	HARDNESS	P00900	1414	0.37564	0.0001	9
NICKEL	0	P01067	HARDNESS	P00900	380	0.78153	0.0001	9
NICKEL	0	P01065	NITRITE	P00613	1140	0.09262	0.0017	9
NICKEL	0	P01065	PH	P00400	1396	0.05266	0.0492	9
NICKEL	0	P01065	SELENIUM	P01145	1318	0.77257	0.0001	9
NICKEL	100	P01065	ANTIMONY	P01095	21	0.99774	0.0001	9
NICKEL	100	P01065	ANTIMONY	P01097	14	-0.83321	0.0002	9
NICKEL	100	P01065	ARSENIC	P01000	36	0.34834	0.0373	9
NICKEL	100	P01065	BARIUM	P01005	40	0.99438	0.0001	9
NICKEL	100	P01067	BARIUM	P01005	127	-0.2747	0.0018	9
NICKEL	100	P01065	BERYLLIUM	P01010	25	0.9949	0.0001	9
NICKEL	100	P01065	CADMIUM	P01025	40	0.99472	0.0001	9
NICKEL	100	P01065	CADMIUM	P01027	22	0.86364	0.0001	9
NICKEL	100	P01067	CADMIUM	P01025	127	0.89054	0.0001	9
NICKEL	100	P01067	CADMIUM	P01027	117	0.88707	0.0001	9
NICKEL	100	P01065	CHROMIUM	P01030	40	0.99477	0.0001	9
NICKEL	100	P01065	CHROMIUM	P01034	22	-0.57411	0.0052	9
NICKEL	100	P01067	CHROMIUM	P01030	127	0.21565	0.0149	9
NICKEL	100	P01065	CONDUCTANCE	P00095	40	0.8359	0.0001	9
NICKEL	100	P01067	CONDUCTANCE	P00095	129	0.38063	0.0001	9
NICKEL	100	P01065	DISSOLVED-OXYGE	P00300	38	-0.63726	0.0001	9
NICKEL	100	P01067	DISSOLVED-OXYGE	P00300	124	-0.27582	0.0019	9
NICKEL	100	P01065	DISSOLVED-SOLID	P70301	37	0.36086	0.0282	9
NICKEL	100	P01067	DISSOLVED-SOLID	P70301	128	0.6048	0.0001	9
NICKEL	100	P01067	HARDNESS	P00900	129	0.8448	0.0001	9
NICKEL	100	P01065	IRON	P01045	24	-0.42696	0.0375	9
NICKEL	100	P01065	IRON	P01046	40	0.95264	0.0001	9
NICKEL	100	P01065	MANGANESE	P01055	24	0.89549	0.0001	9
NICKEL	100	P01067	MANGANESE	P01055	115	0.97942	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NICKEL	100	P01067	MANGANESE	P01056	127	0.9725	0.0001	9
NICKEL	100	P01065	MERCURY	P71900	28	-0.49448	0.0075	9
NICKEL	100	P01067	PH	P00400	129	-0.66656	0.0001	9
NICKEL	100	P01065	SELENIUM	P01145	36	0.83672	0.0001	9
NICKEL	100	P01067	SELENIUM	P01145	125	-0.21233	0.0174	9
NICKEL	100	P01065	SULFATE	P00945	40	0.68039	0.0001	9
NICKEL	100	P01067	SULFATE	P00945	128	0.86819	0.0001	9
NICKEL	100	P01065	TURBIDITY	P00076	28	-0.49407	0.0075	9
NITRATE	0	P00618	ALKALINITY	P39036	215	0.42681	0.0001	9
NITRATE	0	P00618	ANTIMONY	P01095	230	0.50308	0.0001	9
NITRATE	0	P00618	ANTIMONY	P01097	24	0.43178	0.0351	9
NITRATE	0	P00618	BERYLLIUM	P01010	286	0.1227	0.0381	9
NITRATE	0	P00618	CHROMIUM	P01030	337	0.35717	0.0001	9
NITRATE	0	P00618	CONDUCTANCE	P00095	1238	0.26093	0.0001	9
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	1019	0.26332	0.0001	9
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	1036	0.23129	0.0001	9
NITRATE	0	P00618	HARDNESS	P00900	1120	0.36004	0.0001	9
NITRATE	0	P00618	IRON	P01046	1096	-0.13172	0.0001	9
NITRATE	0	P00618	MANGANESE	P01056	1061	0.07742	0.0116	9
NITRATE	0	P00618	NICKEL	P01065	431	0.20469	0.0001	9
NITRATE	0	P00618	NITRITE	P00613	1286	0.26035	0.0001	9
NITRATE	0	P00618	SELENIUM	P01145	587	0.33804	0.0001	9
NITRATE	0	P00618	SELENIUM	P01147	68	0.51529	0.0001	9
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	50	0.41973	0.0024	9
NITRATE	8	P00618	HARDNESS	P00900	56	0.62593	0.0001	9
NITRATE	8	P00618	SULFATE	P00945	60	0.42051	0.0008	9
NITRATE	10	P00618	ARSENIC	P01000	3	1	0.0001	9
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	29	0.41233	0.0262	9
NITRATE	10	P00618	HARDNESS	P00900	37	0.64548	0.0001	9
NITRATE	10	P00618	SULFATE	P00945	38	0.50466	0.0012	9
NITRITE	0	P00613	ALKALINITY	P39036	476	0.17202	0.0002	9
NITRITE	0	P00613	CONDUCTANCE	P00095	2800	0.10771	0.0001	9
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	2401	-0.05018	0.0139	9
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	2444	0.1126	0.0001	9
NITRITE	0	P00613	HARDNESS	P00900	2537	0.13657	0.0001	9
NITRITE	0	P00613	PH	P00400	2762	-0.11735	0.0001	9
NITRITE	0	P00613	SELENIUM	P01145	1352	0.13675	0.0001	9
NITRITE	0	P00613	SELENIUM	P01147	183	0.49662	0.0001	9
NITRITE	0	P00615	SELENIUM	P01145	123	0.18717	0.0382	9
NITRITE	0	P00613	THALLIUM	P01059	14	-0.68634	0.0067	9
NITRITE	1	P00613	ALKALINITY	P39036	37	-0.35772	0.0297	9
NITRITE	1	P00613	ARSENIC	P01000	21	-0.69986	0.0004	9
NITRITE	1	P00613	BARIUM	P01005	36	-0.40553	0.0141	9
NITRITE	1	P00613	BERYLLIUM	P01010	33	-0.50208	0.0029	9
NITRITE	1	P00613	CONDUCTANCE	P00095	62	-0.47549	0.0001	9
NITRITE	1	P00613	DISSOLVED-OXYGE	P00300	27	-0.55458	0.0027	9
NITRITE	1	P00613	DISSOLVED-SOLID	P70301	28	-0.70928	0.0001	9
NITRITE	1	P00613	HARDNESS	P00900	53	-0.50261	0.0001	9
NITRITE	1	P00613	MANGANESE	P01056	53	-0.31796	0.0203	9
NITRITE	1	P00613	SULFATE	P00945	47	-0.51329	0.0002	9
PH	0	P00400	ALKALINITY	P39036	593	0.242	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
PH	0	P00400	CONDUCTANCE	P00095	5589	0.12211	0.0001	9
PH	0	P00400	DISSOLVED-OXYGE	P00300	4494	0.0992	0.0001	9
PH	0	P00400	TURBIDITY	P00076	1739	0.06217	0.0095	9
RADIUM-226	0	P09511	CHROMIUM	P01034	7	-0.8121	0.0265	9
RADIUM-226	0	P09511	NITRITE	P00613	62	0.29551	0.0197	9
RADON	0	P76002	BERYLLIUM	P01010	34	0.67151	0.0001	9
RADON	0	P76002	DISSOLVED-OXYGE	P00300	33	-0.37404	0.032	9
RADON	0	P76002	SELENIUM	P01145	34	0.69885	0.0001	9
RADON	0	P82303	SELENIUM	P01145	34	0.80634	0.0001	9
RADON	100	P76002	BARIUM	P01005	4	-0.99073	0.0093	9
RADON	100	P82303	SELENIUM	P01145	33	0.80549	0.0001	9
RADON	100	P82303	SULFATE	P00945	34	0.43417	0.0103	9
RADON	300	P82303	SELENIUM	P01145	14	0.75315	0.0019	9
RADON	500	P82303	SELENIUM	P01145	10	0.78369	0.0073	9
RADON	1000	P82303	SULFATE	P00945	3	-0.99831	0.037	9
SELENIUM	0	P01145	CONDUCTANCE	P00095	1842	0.71411	0.0001	9
SELENIUM	0	P01147	CONDUCTANCE	P00095	698	0.31857	0.0001	9
SELENIUM	0	P01145	DISSOLVED-OXYGE	P00300	1746	-0.15791	0.0001	9
SELENIUM	0	P01145	DISSOLVED-SOLID	P70301	1827	0.38341	0.0001	9
SELENIUM	0	P01147	DISSOLVED-SOLID	P70301	682	0.29512	0.0001	9
SELENIUM	0	P01145	HARDNESS	P00900	1850	0.28715	0.0001	9
SELENIUM	0	P01147	HARDNESS	P00900	688	0.25484	0.0001	9
SELENIUM	0	P01145	PH	P00400	1845	0.10154	0.0001	9
SELENIUM	0	P01147	TURBIDITY	P00076	501	0.28826	0.0001	9
SELENIUM	50	P01145	SULFATE	P00945	5	0.91899	0.0273	9
SULFATE	0	P00945	ALKALINITY	P39036	516	0.32929	0.0001	9
SULFATE	0	P00945	ANTIMONY	P01095	708	0.73063	0.0001	9
SULFATE	0	P00945	BARIUM	P01005	1662	0.7185	0.0001	9
SULFATE	0	P00945	BERYLLIUM	P01010	836	0.73046	0.0001	9
SULFATE	0	P00945	CADMIUM	P01025	1155	0.69515	0.0001	9
SULFATE	0	P00945	CADMIUM	P01027	662	0.38863	0.0001	9
SULFATE	0	P00945	CHROMIUM	P01030	1229	0.7251	0.0001	9
SULFATE	0	P00945	CHROMIUM	P01034	659	-0.11117	0.0043	9
SULFATE	0	P00945	CONDUCTANCE	P00095	3330	0.89208	0.0001	9
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	3201	0.95493	0.0001	9
SULFATE	0	P00945	HARDNESS	P00900	3285	0.45724	0.0001	9
SULFATE	0	P00945	IRON	P01046	2951	0.255	0.0001	9
SULFATE	0	P00945	MANGANESE	P01055	515	0.84201	0.0001	9
SULFATE	0	P00945	MANGANESE	P01056	2798	0.12261	0.0001	9
SULFATE	0	P00945	NICKEL	P01065	1385	0.72589	0.0001	9
SULFATE	0	P00945	NICKEL	P01067	378	0.82089	0.0001	9
SULFATE	0	P00945	NITRATE	P00618	1172	0.25701	0.0001	9
SULFATE	0	P00945	NITRITE	P00613	2613	0.1073	0.0001	9
SULFATE	0	P00945	PH	P00400	3304	0.05923	0.0007	9
SULFATE	0	P00945	RADON	P76002	35	0.41609	0.0129	9
SULFATE	0	P00945	RADON	P82303	35	0.35293	0.0376	9
SULFATE	0	P00945	SELENIUM	P01145	1852	0.60039	0.0001	9
SULFATE	0	P00945	SELENIUM	P01147	687	0.25264	0.0001	9
SULFATE	25	P00945	ALKALINITY	P39036	272	0.29683	0.0001	9
SULFATE	25	P00945	ANTIMONY	P01095	385	0.73053	0.0001	9
SULFATE	25	P00945	ANTIMONY	P01097	123	-0.20738	0.0214	9

Appendix F-threshold, Region I (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	88	1.161818	1.119785	104	1	11	3055	80.69675	86.32936	246529	1.5	1000	0.15328	0.1639	84	
ARSENIC	0	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	21	165.381	218.782	3473	1	710	3055	80.69675	86.32936	246529	1.5	1000	-0.51482	0.0718	13	
ARSENIC	2	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5	4.2	3.898718	21	2	11	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	2	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	19	182.6842	223.306	3471	5	710	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	2	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5	4.2	3.898718	21	2	11	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	1	
ARSENIC	2	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	19	182.6842	223.306	3471	5	710	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5	4.2	3.89872	21	2	11	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	1	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5	4.2	3.89872	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	19	182.6842	223.306	3471	5	710	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	2	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5	4.2	3.898718	21	2	11	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	1	
ARSENIC	2	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	19	182.6842	223.306	3471	5	710	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	2	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5	4.2	3.898718	21	2	11	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	19	182.6842	223.306	3471	5	710	381	76.9874	1398.35	29332	1	27300	0.45987	0.1547	11	
ARSENIC	2	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5	4.2	3.898718	21	2	11	2444	191.2581	235.3253	467435	20	6070	-0.1517	0.8076	5	
ARSENIC	2	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	19	182.6842	223.306	3471	5	710	2444	191.2581	235.3253	467435	20	6070	0.66387	0.0259	11	*
ARSENIC	2	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5	4.2	3.898718	21	2	11	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	2	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	19	182.6842	223.306	3471	5	710	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	2	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5	4.2	3.898718	21	2	11	296	140105	2410103	41470995	1.22	41465000	-0.55002	0.6292	3	
ARSENIC	2	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	19	182.6842	223.306	3471	5	710	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	2	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5	4.2	3.898718	21	2	11	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.13265	0.8316	5	
ARSENIC	2	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	19	182.6842	223.306	3471	5	710	1139	4.920281	4.112258	5604.2	0.1	16.1	0.75985	0.4505	3	
ARSENIC	2	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5	4.2	3.898718	21	2	11	718	165.5272	259.2981	118849	17	4000	-0.09723	0.8764	5	
ARSENIC	2	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	19	182.6842	223.306	3471	5	710	718	165.5272	259.2981	118849	17	4000	0.86436	0.0013	10	*
ARSENIC	2	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5	4.2	3.898718	21	2	11	933	94.67899	176.9992	88336	3	2500	0.00055	0.9993	5	
ARSENIC	2	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	19	182.6842	223.306	3471	5	710	933	94.67899	176.9992	88336	3	2500	0.89949	0.0001	16	*

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5	4.2	3.898718	21	2	11	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5	4.2	3.898718	21	2	11	1368	841.5009	4078.394	1151173	3	59600	0.71827	0.1717	5	
ARSENIC	2	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	19	182.6842	223.306	3471	5	710	157	6095.796	15060	957040	10	86000	0.81987	0.0001	16	*
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	19	182.6842	223.306	3471	5	710	1368	841.5009	4078.394	1151173	3	59600	0.40519	0.2164	11	
ARSENIC	2	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5	4.2	3.89872	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5	4.2	3.89872	21	2	11	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5	4.2	3.89872	21	2	11	1300	746.6604	1671.579	970659	1	13000	-0.13485	0.8288	5	
ARSENIC	2	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	19	182.6842	223.306	3471	5	710	157	504.8631	1439.597	79264	10	12000	-0.20085	0.4557	16	
ARSENIC	2	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	19	182.6842	223.306	3471	5	710	1300	746.6604	1671.579	970659	1	13000	-0.69831	0.0168	11	*
ARSENIC	2	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5	4.2	3.898718	21	2	11	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	2	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	19	182.6842	223.306	3471	5	710	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	2	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5	4.2	3.898718	21	2	11	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
ARSENIC	2	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	19	182.6842	223.306	3471	5	710	164	13.42847	18.68951	2202.269	0.038	180	-0.73981	0.4698	3	
ARSENIC	2	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5	4.2	3.898718	21	2	11	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	5	
ARSENIC	2	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	19	182.6842	223.306	3471	5	710	805	0.029575	0.140689	23.808	0.01	2.9	-0.22841	0.4993	11	
ARSENIC	2	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5	4.2	3.898718	21	2	11	2390	5.851039	0.823241	13984	3	11.3	0.03478	0.9557	5	
ARSENIC	2	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	19	182.6842	223.306	3471	5	710	2390	5.851039	0.823241	13984	3	11.3	0.20939	0.5366	11	
ARSENIC	2	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	5	4.2	3.898718	21	2	11	29	52.72414	24.31034	1529	20	120	-0.58275	0.4172	4	
ARSENIC	2	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	5	4.2	3.898718	21	2	11	58	5779.828	8104.887	335230	200	39000	-0.49809	0.5019	4	
ARSENIC	2	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	19	182.6842	223.306	3471	5	710	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ARSENIC	2	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	19	182.6842	223.306	3471	5	710	58	5779.828	8104.887	335230	200	39000	0.31203	0.798	3	
ARSENIC	2	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5	4.2	3.898718	21	2	11	57	1	0	57	1	1	#N/A	#N/A	0	
ARSENIC	2	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region I (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ALKALINITY	0	CONDUCTANCE	GROUND WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
ALKALINITY	0	TURBIDITY	GROUND WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ANTIMONY	0	ALKALINITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	ALKALINITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	54	1	0	54	1	1	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	54	
ANTIMONY	0	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	54	1	0	54	1	1	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	54	
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ANTIMONY	0	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	54	1	0	54	1	1	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	54	
ANTIMONY	0	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ANTIMONY	0	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	54	1	0	54	1	1	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	54	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CONDUCTANCE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	54	1	0	54	1	1	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	47	
ANTIMONY	0	CONDUCTANCE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
ANTIMONY	0	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	54	1	0	54	1	1	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	10	
ANTIMONY	0	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ANTIMONY	0	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	DEPTH-BELOW-LAN	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	54	1	0	54	1	1	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	13	
ANTIMONY	0	DEPTH-BELOW-LAN	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ANTIMONY	0	DISSOLVED-OXYGE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	54	1	0	54	1	1	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	23	
ANTIMONY	0	DISSOLVED-OXYGE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
ANTIMONY	0	DISSOLVED-SOLID	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	54	1	0	54	1	1	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	43	
ANTIMONY	0	DISSOLVED-SOLID	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
ANTIMONY	0	HARDNESS	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	54	1	0	54	1	1	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	54	
ANTIMONY	0	HARDNESS	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	54	1	0	54	1	1	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	54	1	0	54	1	1	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	54	
ANTIMONY	0	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
ANTIMONY	0	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	54	1	0	54	1	1	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	54	1	0	54	1	1	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	54	
ANTIMONY	0	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
ANTIMONY	0	MERCURY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MERCURY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MERCURY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MERCURY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	54	1	0	54	1	1	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	54	
ANTIMONY	0	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ANTIMONY	0	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	54	1	0	54	1	1	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	23	
ANTIMONY	0	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
ANTIMONY	0	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	PH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	54	1	0	54	1	1	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	47	
ANTIMONY	0	PH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
ANTIMONY	0	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	54	1	0	54	1	1	57	1	0	57	1	1	#N/A	#N/A	44	
ANTIMONY	0	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
ANTIMONY	0	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	THALLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	THALLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	THALLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	THALLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	TURBIDITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	54	1	0	54	1	1	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ANTIMONY	0	TURBIDITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ANTIMONY	0	WELL-DEPTH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	54	1	0	54	1	1	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	53	
ANTIMONY	0	WELL-DEPTH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	364	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region I (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	BARIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CONDUCTANCE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
ANTIMONY	6	CONDUCTANCE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	DEPTH-BELOW-LAN	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ANTIMONY	6	DEPTH-BELOW-LAN	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-OXYGE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-OXYGE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-SOLID	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-SOLID	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
ANTIMONY	6	HARDNESS	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
ANTIMONY	6	HARDNESS	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
ANTIMONY	6	IRON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79284	10	12000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	MANGANESE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	NITRATE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
ANTIMONY	6	NITRATE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	PH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
ANTIMONY	6	PH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
ANTIMONY	6	RADON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ANTIMONY	6	RADON	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
ANTIMONY	6	RADON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ANTIMONY	6	RADON	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	SULFATE	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
ANTIMONY	6	SULFATE	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
ANTIMONY	6	TURBIDITY	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ANTIMONY	6	TURBIDITY	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ANTIMONY	6	WELL-DEPTH	GROUND WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
ANTIMONY	6	WELL-DEPTH	GROUND WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
ARSENIC	0	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	88	1.181818	1.119785	104	1	11	54	1	0	54	1	1	#N/A	#N/A	44	
ARSENIC	0	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	21	165.381	218.782	3473	1	710	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	0	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	88	1.181818	1.119785	104	1	11	384	24.11328	50.57306	9259.5	2	420	-0.10177	0.4391	60	
ARSENIC	0	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	21	165.381	218.782	3473	1	710	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	0	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	88	1.18182	1.11979	104	1	11	384	0.55182	0.15157	211.9	0.5	1.5	-0.07828	0.5521	60	
ARSENIC	0	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	88	1.18182	1.11979	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	21	165.381	218.782	3473	1	710	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	0	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	88	1.181818	1.119785	104	1	11	384	1.102865	0.423484	423.5	1	5	-0.03707	0.7786	60	
ARSENIC	0	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	21	165.381	218.782	3473	1	710	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	0	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	88	1.181818	1.119785	104	1	11	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	44	
ARSENIC	0	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	21	165.381	218.782	3473	1	710	381	76.9874	1398.35	29332	1	27300	0.46063	0.1132	13	
ARSENIC	0	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	88	1.181818	1.119785	104	1	11	2444	191.2581	235.3253	467435	20	6070	-0.04742	0.6742	81	
ARSENIC	0	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	21	165.381	218.782	3473	1	710	2444	191.2581	235.3253	467435	20	6070	0.72207	0.0053	13	*
ARSENIC	0	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	88	1.181818	1.119785	104	1	11	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	10	
ARSENIC	0	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	21	165.381	218.782	3473	1	710	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	0	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	88	1.181818	1.119785	104	1	11	296	140105	2410103	41470995	1.22	41465000	0.22915	0.2503	27	
ARSENIC	0	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	21	165.381	218.782	3473	1	710	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	0	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	88	1.181818	1.119785	104	1	11	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.16151	0.2676	49	
ARSENIC	0	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	21	165.381	218.782	3473	1	710	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.51276	0.377	5	
ARSENIC	0	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	88	1.181818	1.119785	104	1	11	718	165.5272	259.2981	118849	17	4000	0.00709	0.9512	77	
ARSENIC	*0*	*DISSOLVED-SOLID*	*GROUND WATER*	*P01002*	*ARSENIC-TOTAL-P01002-(UG/L AS AS)*	*P70301*	*DISSOLVED SOLIDS-P70301-(MG/L)*	*21*	*165.381*	*218.782*	*3473*	*1*	*710*	*718*	*165.5272*	*259.2981*	*118849*	*17*	*4000*	*0.87837*	*0.0002*	*12*	*
ARSENIC	0	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	88	1.181818	1.119785	104	1	11	933	94.67899	176.9992	88336	3	2500	0.033	0.7602	88	
ARSENIC	0	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	21	165.381	218.782	3473	1	710	933	94.67899	176.9992	88336	3	2500	0.90911	0.0001	18	*
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	88	1.181818	1.119785	104	1	11	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	88	1.181818	1.119785	104	1	11	1368	841.5009	4078.394	1151173	3	59600	0.07687	0.4765	88	
ARSENIC	0	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	21	165.381	218.782	3473	1	710	157	6095.796	15060	957040	10	86000	0.838	0.0001	18	*
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	21	165.381	218.782	3473	1	710	1368	841.5009	4078.394	1151173	3	59600	0.54407	0.0546	13	
ARSENIC	0	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	88	1.18182	1.11979	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	88	1.18182	1.11979	104	1	11	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	88	1.18182	1.11979	104	1	11	1300	746.6604	1671.579	970659	1	13000	-0.03599	0.7392	88	
ARSENIC	0	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	21	165.381	218.782	3473	1	710	157	504.8631	1439.597	79264	10	12000	-0.0976	0.7	18	
ARSENIC	0	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	21	165.381	218.782	3473	1	710	1300	746.6604	1671.579	970659	1	13000	-0.38531	0.1935	13	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	88	1.181818	1.119785	104	1	11	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	44	
ARSENIC	0	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	21	165.381	218.782	3473	1	710	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	0	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	88	1.181818	1.119785	104	1	11	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
ARSENIC	0	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	21	165.381	218.782	3473	1	710	164	13.42847	18.68951	2202.269	0.038	180	-0.73981	0.4698	3	
ARSENIC	0	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	88	1.181818	1.119785	104	1	11	805	0.029575	0.140689	23.808	0.01	2.9	-0.02731	0.8402	57	
ARSENIC	0	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	21	165.381	218.782	3473	1	710	805	0.029575	0.140689	23.808	0.01	2.9	-0.12744	0.6782	13	
ARSENIC	0	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	88	1.181818	1.119785	104	1	11	2390	5.851039	0.823241	13984	3	11.3	0.08326	0.4599	81	
ARSENIC	0	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	21	165.381	218.782	3473	1	710	2390	5.851039	0.823241	13984	3	11.3	0.39595	0.1805	13	
ARSENIC	0	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	88	1.181818	1.119785	104	1	11	29	52.72414	24.31034	1529	20	120	-0.14863	0.4504	28	
ARSENIC	0	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	88	1.181818	1.119785	104	1	11	58	5779.828	8104.887	335230	200	39000	-0.14077	0.4749	28	
ARSENIC	0	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	21	165.381	218.782	3473	1	710	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ARSENIC	0	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	21	165.381	218.782	3473	1	710	58	5779.828	8104.887	335230	200	39000	0.31203	0.798	3	
ARSENIC	0	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	88	1.181818	1.119785	104	1	11	57	1	0	57	1	1	#N/A	#N/A	44	
ARSENIC	0	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	21	165.381	218.782	3473	1	710	57	1	0	57	1	1	#N/A	#N/A	13	
ARSENIC	0	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	88	1.181818	1.119785	104	1	11	1143	15.11214	20.20626	17273	0.1	500	0.22332	0.0365	88	*
ARSENIC	0	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	21	165.381	218.782	3473	1	710	1143	15.11214	20.20626	17273	0.1	500	-0.32722	0.2992	12	
ARSENIC	0	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	88	1.181818	1.119785	104	1	11	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	0	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	21	165.381	218.782	3473	1	710	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	0	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	88	1.181818	1.119785	104	1	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	21	165.381	218.782	3473	1	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	25	P00945	ARSENIC	P01000	837	0.3105	0.0001	9
SULFATE	25	P00945	ARSENIC	P01002	497	0.0986	0.028	9
SULFATE	25	P00945	BARIUM	P01005	883	0.71712	0.0001	9
SULFATE	25	P00945	BERYLLIUM	P01010	473	0.73052	0.0001	9
SULFATE	25	P00945	CADMIUM	P01025	716	0.69495	0.0001	9
SULFATE	25	P00945	CADMIUM	P01027	412	0.45495	0.0001	9
SULFATE	25	P00945	CHROMIUM	P01030	789	0.72567	0.0001	9
SULFATE	25	P00945	CONDUCTANCE	P00095	1965	0.89163	0.0001	9
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	1850	0.95455	0.0001	9
SULFATE	25	P00945	HARDNESS	P00900	1901	0.45061	0.0001	9
SULFATE	25	P00945	IRON	P01046	1712	0.2564	0.0001	9
SULFATE	25	P00945	MANGANESE	P01055	342	0.8577	0.0001	9
SULFATE	25	P00945	MANGANESE	P01056	1570	0.11197	0.0001	9
SULFATE	25	P00945	NICKEL	P01065	666	0.72424	0.0001	9
SULFATE	25	P00945	NICKEL	P01067	173	0.85099	0.0001	9
SULFATE	25	P00945	NITRATE	P00618	860	0.18806	0.0001	9
SULFATE	25	P00945	RADON	P76002	28	0.37832	0.0471	9
SULFATE	25	P00945	SELENIUM	P01145	1010	0.59394	0.0001	9
SULFATE	25	P00945	SELENIUM	P01147	438	0.3602	0.0001	9
SULFATE	25	P00945	THALLIUM	P01059	8	-0.77448	0.024	9
SULFATE	120	P00945	ALKALINITY	P39036	158	0.20058	0.0115	9
SULFATE	120	P00945	ANTIMONY	P01095	250	0.73015	0.0001	9
SULFATE	120	P00945	ARSENIC	P01000	493	0.31648	0.0001	9
SULFATE	120	P00945	BARIUM	P01005	526	0.71696	0.0001	9
SULFATE	120	P00945	BERYLLIUM	P01010	287	0.73024	0.0001	9
SULFATE	120	P00945	CADMIUM	P01025	421	0.7277	0.0001	9
SULFATE	120	P00945	CADMIUM	P01027	242	0.64229	0.0001	9
SULFATE	120	P00945	CHROMIUM	P01030	462	0.72626	0.0001	9
SULFATE	120	P00945	CONDUCTANCE	P00095	1118	0.89025	0.0001	9
SULFATE	120	P00945	DISSOLVED-SOLID	P70301	1079	0.95382	0.0001	9
SULFATE	120	P00945	HARDNESS	P00900	1110	0.43297	0.0001	9
SULFATE	120	P00945	IRON	P01046	1007	0.25609	0.0001	9
SULFATE	120	P00945	MANGANESE	P01055	217	0.87466	0.0001	9
SULFATE	120	P00945	MANGANESE	P01056	901	0.09629	0.0038	9
SULFATE	120	P00945	MERCURY	P71890	219	0.19683	0.0034	9
SULFATE	120	P00945	NICKEL	P01065	407	0.72209	0.0001	9
SULFATE	120	P00945	NICKEL	P01067	91	0.85548	0.0001	9
SULFATE	120	P00945	NITRATE	P00618	507	0.09603	0.0306	9
SULFATE	120	P00945	SELENIUM	P01145	589	0.58551	0.0001	9
SULFATE	120	P00945	SELENIUM	P01147	250	0.29046	0.0001	9
SULFATE	150	P00945	ANTIMONY	P01095	226	0.72996	0.0001	9
SULFATE	150	P00945	ARSENIC	P01000	441	0.31535	0.0001	9
SULFATE	150	P00945	BARIUM	P01005	466	0.71658	0.0001	9
SULFATE	150	P00945	BERYLLIUM	P01010	255	0.73006	0.0001	9
SULFATE	150	P00945	CADMIUM	P01025	374	0.72767	0.0001	9
SULFATE	150	P00945	CADMIUM	P01027	213	0.83004	0.0001	9
SULFATE	150	P00945	CHROMIUM	P01030	407	0.72635	0.0001	9
SULFATE	150	P00945	CHROMIUM	P01032	35	-0.35331	0.0373	9
SULFATE	150	P00945	CONDUCTANCE	P00095	967	0.89004	0.0001	9
SULFATE	150	P00945	DISSOLVED-SOLID	P70301	947	0.95383	0.0001	9
SULFATE	150	P00945	HARDNESS	P00900	966	0.42745	0.0001	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
SULFATE	150	P00945	IRON	P01046	878	0.25555	0.0001	9
SULFATE	150	P00945	MANGANESE	P01055	189	0.90973	0.0001	9
SULFATE	150	P00945	MANGANESE	P01056	788	0.09177	0.01	9
SULFATE	150	P00945	MERCURY	P71890	199	0.19292	0.0063	9
SULFATE	150	P00945	NICKEL	P01065	359	0.72132	0.0001	9
SULFATE	150	P00945	NICKEL	P01067	84	0.8529	0.0001	9
SULFATE	150	P00945	SELENIUM	P01145	510	0.60508	0.0001	9
SULFATE	150	P00945	SELENIUM	P01147	213	0.25956	0.0001	9
SULFATE	250	P00945	ANTIMONY	P01095	168	0.72913	0.0001	9
SULFATE	250	P00945	ARSENIC	P01000	298	0.31012	0.0001	9
SULFATE	250	P00945	BARIUM	P01005	330	0.71652	0.0001	9
SULFATE	250	P00945	BERYLLIUM	P01010	184	0.72933	0.0001	9
SULFATE	250	P00945	CADMIUM	P01025	257	0.72728	0.0001	9
SULFATE	250	P00945	CADMIUM	P01027	144	0.83412	0.0001	9
SULFATE	250	P00945	CHROMIUM	P01030	272	0.72635	0.0001	9
SULFATE	250	P00945	CONDUCTANCE	P00095	653	0.88907	0.0001	9
SULFATE	250	P00945	DISSOLVED-SOLID	P70301	640	0.9536	0.0001	9
SULFATE	250	P00945	HARDNESS	P00900	648	0.4104	0.0001	9
SULFATE	250	P00945	IRON	P01046	588	0.25361	0.0001	9
SULFATE	250	P00945	MANGANESE	P01055	121	0.92071	0.0001	9
SULFATE	250	P00945	MERCURY	P71890	139	0.17348	0.0411	9
SULFATE	250	P00945	NICKEL	P01065	265	0.71895	0.0001	9
SULFATE	250	P00945	NICKEL	P01067	65	0.86942	0.0001	9
SULFATE	250	P00945	SELENIUM	P01145	349	0.60035	0.0001	9
SULFATE	250	P00945	SELENIUM	P01147	130	0.204	0.0199	9
SULFATE	500	P00945	ANTIMONY	P01095	93	0.72576	0.0001	9
SULFATE	500	P00945	ANTIMONY	P01097	24	-0.50519	0.0118	9
SULFATE	500	P00945	ARSENIC	P01000	138	0.29191	0.0005	9
SULFATE	500	P00945	BARIUM	P01005	155	0.72005	0.0001	9
SULFATE	500	P00945	BERYLLIUM	P01010	97	0.72609	0.0001	9
SULFATE	500	P00945	CADMIUM	P01025	129	0.72479	0.0001	9
SULFATE	500	P00945	CADMIUM	P01027	45	0.77298	0.0001	9
SULFATE	500	P00945	CHROMIUM	P01030	135	0.72501	0.0001	9
SULFATE	500	P00945	CONDUCTANCE	P00095	308	0.89189	0.0001	9
SULFATE	500	P00945	DISSOLVED-SOLID	P70301	292	0.95293	0.0001	9
SULFATE	500	P00945	HARDNESS	P00900	299	0.36823	0.0001	9
SULFATE	500	P00945	IRON	P01046	277	0.24666	0.0001	9
SULFATE	500	P00945	MANGANESE	P01055	47	0.9173	0.0001	9
SULFATE	500	P00945	NICKEL	P01065	145	0.71114	0.0001	9
SULFATE	500	P00945	NICKEL	P01067	26	0.90189	0.0001	9
SULFATE	500	P00945	NITRITE	P00613	221	-0.16594	0.0135	9
SULFATE	500	P00945	NITRITE	P00615	22	-0.49451	0.0193	9
SULFATE	500	P00945	PH	P00400	307	0.12399	0.0299	9
SULFATE	500	P00945	SELENIUM	P01145	182	0.59991	0.0001	9
THALLIUM	0	P01059	PH	P00400	21	0.57749	0.0061	9
THALLIUM	2	P01059	BARIUM	P01005	20	0.67588	0.0011	9
THALLIUM	2	P01059	NITRITE	P00613	14	-0.68634	0.0067	9
THALLIUM	2	P01059	PH	P00400	21	0.57749	0.0061	9
URANIUM-235	0	P22620	CHROMIUM	P01030	4	-0.97024	0.0298	9
URANIUM-235	0	P22620	NICKEL	P01065	3	-1	0.0001	9
URANIUM-235	0	P22620	URANIUM-238	P22603	4	0.9592	0.0408	9

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
URANIUM-238	0	P22603	CHROMIUM	P01030	4	-0.97573	0.0243	9
WELL-DEPTH	0	P72008	PH	P00400	3	1	0.0017	9
ALKALINITY	0	P39036	CONDUCTANCE	P00095	66	0.91931	0.0001	10
ANTIMONY	0	P01095	CHROMIUM	P01034	19	0.53324	0.0187	10
ANTIMONY	0	P01097	CHROMIUM	P01034	13	0.6586	0.0144	10
ANTIMONY	0	P01097	IRON	P01045	13	0.82347	0.0005	10
ANTIMONY	0	P01097	MANGANESE	P01055	13	0.65295	0.0155	10
ANTIMONY	0	P01095	NICKEL	P01067	20	0.67865	0.001	10
ANTIMONY	0	P01097	NICKEL	P01065	13	0.68105	0.0104	10
ARSENIC	0	P01000	ANTIMONY	P01095	155	0.97469	0.0001	10
ARSENIC	0	P01000	CHROMIUM	P01030	578	0.13912	0.0008	10
ARSENIC	0	P01000	CHROMIUM	P01034	25	0.6605	0.0003	10
ARSENIC	0	P01002	CHROMIUM	P01030	23	0.67404	0.0004	10
ARSENIC	0	P01002	CHROMIUM	P01034	64	0.40025	0.001	10
ARSENIC	0	P01000	CONDUCTANCE	P00095	576	0.22242	0.0001	10
ARSENIC	0	P01002	CONDUCTANCE	P00095	80	0.383	0.0005	10
ARSENIC	0	P01002	DISSOLVED-OXYGE	P00300	59	-0.29991	0.021	10
ARSENIC	0	P01000	DISSOLVED-SOLID	P70301	497	0.2214	0.0001	10
ARSENIC	0	P01002	DISSOLVED-SOLID	P70301	45	0.32526	0.0292	10
ARSENIC	0	P01000	HARDNESS	P00900	575	0.21865	0.0001	10
ARSENIC	0	P01002	HARDNESS	P00900	66	0.25195	0.0413	10
ARSENIC	0	P01002	NICKEL	P01067	52	0.54471	0.0001	10
ARSENIC	0	P01000	NITRITE	P00615	28	0.60306	0.0007	10
ARSENIC	0	P01002	NITRITE	P00613	48	0.71062	0.0001	10
ARSENIC	0	P01000	PH	P00400	570	0.13879	0.0009	10
ARSENIC	0	P01002	RADIUM-226	P09511	11	0.88641	0.0003	10
ARSENIC	0	P01002	RADIUM-226	P76001	10	0.76376	0.0101	10
ARSENIC	0	P01002	SULFATE	P00945	48	0.52323	0.0001	10
ARSENIC	0	P01002	TURBIDITY	P00076	11	0.86446	0.0006	10
ARSENIC	2	P01000	ANTIMONY	P01095	32	0.98199	0.0001	10
ARSENIC	2	P01000	ANTIMONY	P01097	3	1	0.0001	10
ARSENIC	2	P01002	ANTIMONY	P01097	4	1	0.0001	10
ARSENIC	2	P01000	IRON	P01045	4	0.95541	0.0446	10
ARSENIC	2	P01002	NICKEL	P01067	29	0.52099	0.0038	10
ARSENIC	2	P01002	NITRATE	P00618	18	0.50388	0.033	10
ARSENIC	2	P01000	NITRITE	P00615	16	0.58352	0.0177	10
ARSENIC	2	P01002	NITRITE	P00613	27	0.65586	0.0002	10
ARSENIC	2	P01002	PH	P00400	33	-0.51357	0.0022	10
ARSENIC	5	P01000	ANTIMONY	P01095	10	0.99988	0.0001	10
ARSENIC	10	P01000	ANTIMONY	P01095	10	0.99988	0.0001	10
ARSENIC	10	P01000	CONDUCTANCE	P00095	31	-0.5984	0.0004	10
ARSENIC	10	P01000	DISSOLVED-SOLID	P70301	31	-0.64175	0.0001	10
ARSENIC	10	P01000	HARDNESS	P00900	31	-0.62229	0.0002	10
ARSENIC	10	P01000	IRON	P01046	31	0.6532	0.0001	10
ARSENIC	10	P01000	MANGANESE	P01056	31	0.65524	0.0001	10
ARSENIC	10	P01000	NITRATE	P00618	7	-0.8414	0.0176	10
BARIUM	0	P01005	ALKALINITY	P39036	55	0.65938	0.0001	10
BARIUM	0	P01005	BERYLLIUM	P01010	260	-0.28492	0.0001	10
BARIUM	0	P01005	CHROMIUM	P01034	11	0.65356	0.0292	10
BARIUM	0	P01005	CONDUCTANCE	P00095	921	0.65182	0.0001	10
BARIUM	0	P01005	DISSOLVED-OXYGE	P00300	831	-0.12452	0.0003	10

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
BARIUM	0	P01005	DISSOLVED-SOLID	P70301	829	0.62984	0.0001	10
BARIUM	0	P01005	HARDNESS	P00900	927	0.69794	0.0001	10
BARIUM	0	P01005	IRON	P01046	916	-0.09366	0.0046	10
BARIUM	0	P01005	MANGANESE	P01056	928	0.12811	0.0001	10
BARIUM	0	P01005	NICKEL	P01065	594	0.13704	0.0008	10
BARIUM	0	P01005	NICKEL	P01067	10	0.66383	0.0363	10
BARIUM	0	P01005	NITRITE	P00613	842	0.07803	0.0236	10
BARIUM	0	P01005	PH	P00400	914	0.37842	0.0001	10
BERYLLIUM	0	P01010	CADMIUM	P01025	273	-0.43085	0.0001	10
BERYLLIUM	0	P01010	IRON	P01046	263	0.1462	0.0177	10
BERYLLIUM	0	P01010	NICKEL	P01065	273	-0.2195	0.0003	10
BERYLLIUM	0	P01010	PH	P00400	266	-0.19432	0.0014	10
CADMIUM	0	P01027	CHROMIUM	P01030	41	0.32185	0.0402	10
CADMIUM	0	P01027	CONDUCTANCE	P00095	282	0.34283	0.0001	10
CADMIUM	0	P01025	IRON	P01045	19	0.49834	0.0299	10
CADMIUM	0	P01027	IRON	P01045	42	0.8044	0.0001	10
CADMIUM	0	P01025	MANGANESE	P01056	612	0.75994	0.0001	10
CADMIUM	0	P01027	MANGANESE	P01055	45	0.57057	0.0001	10
CADMIUM	0	P01027	MANGANESE	P01056	46	0.69352	0.0001	10
CADMIUM	0	P01025	NICKEL	P01065	280	0.35165	0.0001	10
CADMIUM	0	P01027	NICKEL	P01065	34	0.78102	0.0001	10
CADMIUM	0	P01025	PH	P00400	645	-0.31337	0.0001	10
CADMIUM	0	P01027	PH	P00400	150	-0.20945	0.0101	10
CADMIUM	5	P01027	BARIUM	P01005	13	0.62544	0.0222	10
CADMIUM	5	P01025	CONDUCTANCE	P00095	19	0.65604	0.0023	10
CADMIUM	5	P01027	CONDUCTANCE	P00095	57	0.48639	0.0001	10
CADMIUM	5	P01025	DISSOLVED-SOLID	P70301	11	0.64538	0.032	10
CADMIUM	5	P01027	DISSOLVED-SOLID	P70301	8	0.89935	0.0024	10
CADMIUM	5	P01025	HARDNESS	P00900	19	0.57479	0.01	10
CADMIUM	5	P01027	HARDNESS	P00900	25	0.62412	0.0009	10
CADMIUM	5	P01027	MANGANESE	P01056	13	0.57714	0.0389	10
CHROMIUM	0	P01030	CONDUCTANCE	P00095	633	0.11869	0.0028	10
CHROMIUM	0	P01030	DISSOLVED-OXYGE	P00300	561	-0.1076	0.0108	10
CHROMIUM	0	P01030	DISSOLVED-SOLID	P70301	502	0.26675	0.0001	10
CHROMIUM	0	P01030	HARDNESS	P00900	635	0.13235	0.0008	10
CHROMIUM	0	P01030	IRON	P01045	19	0.69824	0.0009	10
CHROMIUM	0	P01034	IRON	P01045	41	0.56175	0.0001	10
CHROMIUM	0	P01030	MANGANESE	P01055	22	0.49931	0.018	10
CHROMIUM	0	P01030	NICKEL	P01065	280	0.43619	0.0001	10
CHROMIUM	0	P01030	NICKEL	P01067	27	0.64338	0.0003	10
CHROMIUM	0	P01034	NICKEL	P01065	28	0.51116	0.0054	10
CHROMIUM	0	P01034	NICKEL	P01067	69	0.80017	0.0001	10
CHROMIUM	0	P01034	NITRITE	P00613	57	0.4355	0.0007	10
CHROMIUM	0	P01030	PH	P00400	626	0.0845	0.0345	10
CHROMIUM	0	P01034	TURBIDITY	P00076	11	0.90548	0.0001	10
DEPTH-BELOW-LAN	0	P72019	CONDUCTANCE	P00095	79	-0.39515	0.0003	10
DEPTH-BELOW-LAN	0	P72019	PH	P00400	79	-0.28354	0.0113	10
DISSOLVED-OXYGE	0	P00300	ALKALINITY	P39036	50	-0.71066	0.0001	10
DISSOLVED-OXYGE	0	P00300	CONDUCTANCE	P00095	4013	-0.09838	0.0001	10
DISSOLVED-SOLID	0	P70301	ALKALINITY	P39036	54	0.92207	0.0001	10
DISSOLVED-SOLID	0	P70301	CONDUCTANCE	P00095	2377	0.99503	0.0001	10

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
DISSOLVED-SOLID	0	P70301	DISSOLVED-OXYGE	P00300	2289	-0.11133	0.0001	10
DISSOLVED-SOLID	0	P70301	HARDNESS	P00900	2429	0.96072	0.0001	10
DISSOLVED-SOLID	0	P70301	PH	P00400	2368	0.51243	0.0001	10
DISSOLVED-SOLID	500	P70301	CONDUCTANCE	P00095	47	0.78195	0.0001	10
HARDNESS	0	P00900	ALKALINITY	P39036	62	0.95158	0.0001	10
HARDNESS	0	P00900	CONDUCTANCE	P00095	2592	0.95386	0.0001	10
HARDNESS	0	P00900	DISSOLVED-OXYGE	P00300	2401	-0.12227	0.0001	10
HARDNESS	0	P00900	PH	P00400	2580	0.54014	0.0001	10
HARDNESS	300	P00900	CONDUCTANCE	P00095	69	0.37374	0.0016	10
HARDNESS	300	P00900	DISSOLVED-SOLID	P70301	69	0.41505	0.0004	10
HARDNESS	300	P00900	NITRATE	P00618	46	-0.33118	0.0246	10
HARDNESS	300	P00900	PH	P00400	69	-0.39667	0.0007	10
HARDNESS	300	P00900	SULFATE	P00945	70	-0.30073	0.0114	10
IRON	0	P01046	CONDUCTANCE	P00095	2316	-0.06967	0.0008	10
IRON	0	P01046	DISSOLVED-OXYGE	P00300	2209	-0.16203	0.0001	10
IRON	0	P01046	DISSOLVED-SOLID	P70301	2214	-0.07169	0.0007	10
IRON	0	P01046	HARDNESS	P00900	2367	-0.08194	0.0001	10
IRON	0	P01045	MANGANESE	P01055	44	0.86892	0.0001	10
IRON	0	P01045	MANGANESE	P01056	19	0.65588	0.0023	10
IRON	0	P01046	MANGANESE	P01056	2343	0.27025	0.0001	10
IRON	0	P01045	NICKEL	P01065	19	0.83984	0.0001	10
IRON	0	P01045	NICKEL	P01067	29	0.51085	0.0046	10
IRON	0	P01046	NICKEL	P01065	600	0.29238	0.0001	10
IRON	0	P01046	NITRITE	P00615	61	0.25273	0.0494	10
IRON	0	P01046	PH	P00400	2303	-0.18045	0.0001	10
IRON	0	P01045	TURBIDITY	P00076	11	0.85976	0.0007	10
IRON	0	P01046	TURBIDITY	P00076	819	0.10782	0.002	10
IRON	300	P01045	ANTIMONY	P01097	11	0.96508	0.0001	10
IRON	300	P01045	CADMIUM	P01025	16	0.55062	0.0271	10
IRON	300	P01045	CADMIUM	P01027	29	0.80091	0.0001	10
IRON	300	P01046	CADMIUM	P01025	19	0.81473	0.0001	10
IRON	300	P01045	CHROMIUM	P01030	16	0.68426	0.0035	10
IRON	300	P01045	CHROMIUM	P01034	28	0.54331	0.0028	10
IRON	300	P01046	DISSOLVED-OXYGE	P00300	109	-0.34612	0.0002	10
IRON	300	P01045	MANGANESE	P01055	30	0.86248	0.0001	10
IRON	300	P01045	MANGANESE	P01056	16	0.63856	0.0078	10
IRON	300	P01046	MANGANESE	P01056	118	0.21737	0.0181	10
IRON	300	P01045	NICKEL	P01065	16	0.84434	0.0001	10
IRON	300	P01045	NICKEL	P01067	21	0.48433	0.0261	10
IRON	300	P01046	NICKEL	P01065	27	0.71952	0.0001	10
IRON	300	P01046	NITRATE	P00618	70	-0.28369	0.0173	10
IRON	300	P01046	PH	P00400	115	-0.35586	0.0001	10
IRON	300	P01045	TURBIDITY	P00076	6	0.89045	0.0173	10
IRON	2500	P01045	CADMIUM	P01027	8	0.75692	0.0297	10
IRON	2500	P01045	MANGANESE	P01055	8	0.80613	0.0157	10
MANGANESE	0	P01056	DISSOLVED-OXYGE	P00300	2197	-0.27721	0.0001	10
MANGANESE	0	P01055	NICKEL	P01065	22	0.55183	0.0078	10
MANGANESE	0	P01055	NICKEL	P01067	29	0.48184	0.0081	10
MANGANESE	0	P01056	NICKEL	P01065	612	0.3072	0.0001	10
MANGANESE	0	P01056	NITRITE	P00613	2255	0.13169	0.0001	10
MANGANESE	0	P01056	PH	P00400	2299	-0.26867	0.0001	10

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
MANGANESE	0	P01055	TURBIDITY	P00076	11	0.93174	0.0001	10
MANGANESE	50	P01056	ALKALINITY	P39036	8	-0.91893	0.0013	10
MANGANESE	50	P01055	ANTIMONY	P01097	9	0.84855	0.0038	10
MANGANESE	50	P01055	CADMIUM	P01025	14	0.54692	0.043	10
MANGANESE	50	P01055	CADMIUM	P01027	20	0.77626	0.0001	10
MANGANESE	50	P01056	CADMIUM	P01025	34	0.67218	0.0001	10
MANGANESE	50	P01056	CADMIUM	P01027	19	0.82517	0.0001	10
MANGANESE	50	P01055	CHROMIUM	P01030	14	0.61411	0.0195	10
MANGANESE	50	P01056	DISSOLVED-OXYGE	P00300	206	-0.26912	0.0001	10
MANGANESE	50	P01055	IRON	P01045	19	0.84928	0.0001	10
MANGANESE	50	P01056	IRON	P01045	7	0.88907	0.0074	10
MANGANESE	50	P01056	IRON	P01046	213	0.14977	0.0289	10
MANGANESE	50	P01055	NICKEL	P01065	14	0.70612	0.0048	10
MANGANESE	50	P01056	NICKEL	P01065	28	0.58981	0.001	10
MANGANESE	50	P01056	NITRATE	P00618	160	-0.23796	0.0024	10
MANGANESE	50	P01056	PH	P00400	209	-0.28088	0.0001	10
MANGANESE	50	P01055	RADIUM-226	P09511	5	0.91782	0.0279	10
MANGANESE	50	P01055	RADIUM-226	P76001	5	0.98371	0.0025	10
MANGANESE	50	P01056	SULFATE	P00945	207	0.32378	0.0001	10
MERCURY	0	P71890	TURBIDITY	P00076	382	0.22565	0.0001	10
NICKEL	0	P01065	ALKALINITY	P39036	55	-0.43829	0.0008	10
NICKEL	0	P01065	CONDUCTANCE	P00095	607	0.17629	0.0001	10
NICKEL	0	P01065	DISSOLVED-OXYGE	P00300	515	-0.11482	0.0091	10
NICKEL	0	P01065	DISSOLVED-SOLID	P70301	503	0.49037	0.0001	10
NICKEL	0	P01065	HARDNESS	P00900	611	0.21792	0.0001	10
NICKEL	0	P01067	NITRITE	P00613	56	0.73856	0.0001	10
NICKEL	0	P01065	PH	P00400	604	-0.09273	0.0227	10
NITRATE	0	P00618	BARIUM	P01005	301	0.21311	0.0002	10
NITRATE	0	P00618	BERYLLIUM	P01010	92	0.50819	0.0001	10
NITRATE	0	P00618	CONDUCTANCE	P00095	1606	0.21681	0.0001	10
NITRATE	0	P00618	DISSOLVED-OXYGE	P00300	1467	0.09238	0.0004	10
NITRATE	0	P00618	DISSOLVED-SOLID	P70301	1189	0.42263	0.0001	10
NITRATE	0	P00618	HARDNESS	P00900	1234	0.33216	0.0001	10
NITRATE	0	P00618	NITRITE	P00613	1638	0.3678	0.0001	10
NITRATE	0	P00618	NITRITE	P00615	33	0.64693	0.0001	10
NITRATE	0	P00618	PH	P00400	1529	0.05874	0.0216	10
NITRATE	8	P00618	DISSOLVED-OXYGE	P00300	46	-0.32737	0.0264	10
NITRATE	8	P00618	IRON	P01046	37	0.33779	0.0409	10
NITRATE	8	P00618	NITRITE	P00613	53	0.29121	0.0344	10
NITRATE	8	P00618	PH	P00400	49	-0.37449	0.008	10
NITRATE	10	P00618	DISSOLVED-OXYGE	P00300	18	-0.75649	0.0003	10
NITRATE	10	P00618	DISSOLVED-SOLID	P70301	15	-0.53343	0.0406	10
NITRATE	10	P00618	IRON	P01046	16	0.73922	0.0011	10
NITRATE	10	P00618	MANGANESE	P01056	16	0.62484	0.0097	10
NITRATE	10	P00618	PH	P00400	21	-0.64685	0.0015	10
NITRITE	0	P00613	ALKALINITY	P39036	59	0.34384	0.0077	10
NITRITE	0	P00613	CONDUCTANCE	P00095	3713	0.17286	0.0001	10
NITRITE	0	P00615	CONDUCTANCE	P00095	107	0.41596	0.0001	10
NITRITE	0	P00613	DISSOLVED-OXYGE	P00300	3102	-0.12154	0.0001	10
NITRITE	0	P00613	DISSOLVED-SOLID	P70301	2371	0.17782	0.0001	10
NITRITE	0	P00615	DISSOLVED-SOLID	P70301	64	0.27981	0.0251	10

Appendix F-significant. SURFACE WATER - REGIONS 6-10
(significant correlations)

VTAG	VTHRES	VARIABLE	WTAG	WITH	CORRN	CORR	PVALUE	REGION
NITRITE	0	P00613	HARDNESS	P00900	2472	0.09393	0.0001	10
NITRITE	0	P00613	PH	P00400	3202	-0.04172	0.0182	10
NITRITE	0	P00615	SELENIUM	P01145	60	0.26804	0.0384	10
PH	0	P00400	CONDUCTANCE	P00095	4785	0.444	0.0001	10
PH	0	P00400	DISSOLVED-OXYGE	P00300	3925	0.1508	0.0001	10
PH	0	P00400	TURBIDITY	P00076	1264	0.05671	0.0438	10
RADIUM-226	0	P09511	CADMIUM	P01027	14	0.85635	0.0001	10
RADIUM-226	0	P76001	CADMIUM	P01027	13	0.68635	0.0096	10
RADIUM-226	0	P09511	CHROMIUM	P01034	11	0.89417	0.0002	10
RADIUM-226	0	P76001	CHROMIUM	P01034	10	0.72469	0.0177	10
RADIUM-226	0	P09511	MANGANESE	P01055	14	0.61953	0.0181	10
RADIUM-226	0	P76001	MANGANESE	P01055	13	0.7316	0.0045	10
RADIUM-226	0	P76001	URANIUM-238	P22603	3	1	0.0001	10
RADON	0	P82303	BARIUM	P01005	3	-0.99893	0.0295	10
RADON	0	P82303	CHROMIUM	P01030	3	-0.99797	0.0406	10
RADON	0	P76002	MANGANESE	P01056	3	-0.99863	0.0334	10
SELENIUM	0	P01145	CONDUCTANCE	P00095	884	0.06645	0.0483	10
SULFATE	0	P00945	ALKALINITY	P39036	62	0.54204	0.0001	10
SULFATE	0	P00945	BARIUM	P01005	889	0.49417	0.0001	10
SULFATE	0	P00945	CADMIUM	P01025	563	0.24688	0.0001	10
SULFATE	0	P00945	CADMIUM	P01027	72	0.32861	0.0048	10
SULFATE	0	P00945	CONDUCTANCE	P00095	2500	0.60164	0.0001	10
SULFATE	0	P00945	DISSOLVED-OXYGE	P00300	2357	-0.04233	0.0399	10
SULFATE	0	P00945	DISSOLVED-SOLID	P70301	2429	0.82937	0.0001	10
SULFATE	0	P00945	HARDNESS	P00900	2548	0.79372	0.0001	10
SULFATE	0	P00945	IRON	P01046	2325	-0.06091	0.0033	10
SULFATE	0	P00945	MANGANESE	P01056	2313	0.06355	0.0022	10
SULFATE	0	P00945	NICKEL	P01065	562	0.46906	0.0001	10
SULFATE	0	P00945	NITRATE	P00618	1229	0.24214	0.0001	10
SULFATE	0	P00945	NITRITE	P00613	2460	0.10505	0.0001	10
SULFATE	0	P00945	PH	P00400	2489	0.35877	0.0001	10
SULFATE	0	P00945	SELENIUM	P01145	863	0.08716	0.0104	10
SULFATE	25	P00945	ARSENIC	P01000	172	0.51904	0.0001	10
SULFATE	25	P00945	ARSENIC	P01002	15	0.70588	0.0033	10
SULFATE	25	P00945	CADMIUM	P01025	180	0.19488	0.0088	10
SULFATE	25	P00945	CADMIUM	P01027	20	0.50314	0.0237	10
SULFATE	25	P00945	CONDUCTANCE	P00095	786	0.27582	0.0001	10
SULFATE	25	P00945	DISSOLVED-OXYGE	P00300	729	0.1726	0.0001	10
SULFATE	25	P00945	DISSOLVED-SOLID	P70301	759	0.70087	0.0001	10
SULFATE	25	P00945	HARDNESS	P00900	789	0.55952	0.0001	10
SULFATE	25	P00945	IRON	P01045	9	-0.74511	0.0212	10
SULFATE	25	P00945	IRON	P01046	714	0.0865	0.0208	10
SULFATE	25	P00945	MANGANESE	P01056	714	0.17096	0.0001	10
SULFATE	25	P00945	NICKEL	P01065	113	0.60005	0.0001	10
SULFATE	25	P00945	NITRATE	P00618	487	0.18424	0.0001	10
URANIUM-238	0	P22603	CHROMIUM	P01030	3	-1	0.0001	10
URANIUM-238	0	P22603	MANGANESE	P01055	3	0.9994	0.022	10
URANIUM-238	0	P22603	MANGANESE	P01056	3	0.99994	0.0071	10
WELL-DEPTH	0	P72008	CONDUCTANCE	P00095	286	0.25739	0.0001	10
WELL-DEPTH	0	P72008	PH	P00400	286	0.25852	0.0001	10

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	19	182.6842	223.306	3471	5	710	57	1	0	57	1	1	#N/A	#N/A	11	
ARSENIC	2	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	5	4.2	3.898718	21	2	11	1143	15.11214	20.20626	17273	0.1	500	0.69017	0.1971	5	
ARSENIC	2	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	19	182.6842	223.306	3471	5	710	1143	15.11214	20.20626	17273	0.1	500	-0.3949	0.2587	10	
ARSENIC	2	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	5	4.2	3.898718	21	2	11	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	2	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	19	182.6842	223.306	3471	5	710	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	2	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5	4.2	3.898718	21	2	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	5	4.2	3.898718	21	2	11	3055	80.69675	86.32936	246529	1.5	1000	0.12765	0.8379	5	
ARSENIC	2	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	19	182.6842	223.306	3471	5	710	3055	80.69675	86.32936	246529	1.5	1000	-0.60957	0.0354	12	*
ARSENIC	5	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	11	#N/A	11	11	11	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	19	182.6842	223.306	3471	5	710	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	11	#N/A	11	11	11	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	19	182.6842	223.306	3471	5	710	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	11	#N/A	11	11	11	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	19	182.6842	223.306	3471	5	710	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	11	#N/A	11	11	11	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	19	182.6842	223.306	3471	5	710	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	11	#N/A	11	11	11	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	19	182.6842	223.306	3471	5	710	381	76.9874	1398.35	29332	1	27300	0.45987	0.1547	11	
ARSENIC	5	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	11	#N/A	11	11	11	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	1	
ARSENIC	5	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	19	182.6842	223.306	3471	5	710	2444	191.2581	235.3253	467435	20	6070	0.66387	0.0259	11	*
ARSENIC	5	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	11	#N/A	11	11	11	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	19	182.6842	223.306	3471	5	710	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	11	#N/A	11	11	11	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	5	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	19	182.6842	223.306	3471	5	710	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	5	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	11	#N/A	11	11	11	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	1	
ARSENIC	5	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	19	182.6842	223.306	3471	5	710	1139	4.920281	4.112258	5604.2	0.1	16.1	0.75985	0.4505	3	
ARSENIC	5	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	11	#N/A	11	11	11	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
ARSENIC	5	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	19	182.6842	223.306	3471	5	710	718	165.5272	259.2981	118849	17	4000	0.86436	0.0013	10	*
ARSENIC	5	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	11	#N/A	11	11	11	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
ARSENIC	5	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	19	182.6842	223.306	3471	5	710	933	94.67899	176.9992	88336	3	2500	0.89949	0.0001	16	*
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	11	#N/A	11	11	11	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	11	#N/A	11	11	11	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
ARSENIC	5	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	19	182.6842	223.306	3471	5	710	157	6095.796	15060	957040	10	86000	0.81987	0.0001	16	*
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	19	182.6842	223.306	3471	5	710	1368	841.5009	4078.394	1151173	3	59600	0.40519	0.2164	11	
ARSENIC	5	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	11	#N/A	11	11	11	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	11	#N/A	11	11	11	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	
ARSENIC	5	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	19	182.6842	223.306	3471	5	710	157	504.8631	1439.597	79264	10	12000	-0.20085	0.4557	16	
ARSENIC	5	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	19	182.6842	223.306	3471	5	710	1300	746.6604	1671.579	970659	1	13000	-0.69831	0.0168	11	*
ARSENIC	5	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	11	#N/A	11	11	11	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	5	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	19	182.6842	223.306	3471	5	710	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	5	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	11	#N/A	11	11	11	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
ARSENIC	5	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	19	182.6842	223.306	3471	5	710	164	13.42847	18.68951	2202.269	0.038	180	-0.73981	0.4698	3	
ARSENIC	5	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	11	#N/A	11	11	11	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	1	
ARSENIC	5	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	19	182.6842	223.306	3471	5	710	805	0.029575	0.140689	23.808	0.01	2.9	-0.22841	0.4993	11	
ARSENIC	5	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	11	#N/A	11	11	11	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	1	
ARSENIC	5	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	19	182.6842	223.306	3471	5	710	2390	5.851039	0.823241	13984	3	11.3	0.20939	0.5366	11	
ARSENIC	5	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	1	11	#N/A	11	11	11	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	1	
ARSENIC	5	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	11	#N/A	11	11	11	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	1	
ARSENIC	5	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	19	182.6842	223.306	3471	5	710	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ARSENIC	5	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	19	182.6842	223.306	3471	5	710	58	5779.828	8104.887	335230	200	39000	0.31203	0.798	3	
ARSENIC	5	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	11	#N/A	11	11	11	57	1	0	57	1	1	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	19	182.6842	223.306	3471	5	710	57	1	0	57	1	1	#N/A	#N/A	11	
ARSENIC	5	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	11	#N/A	11	11	11	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	1	
ARSENIC	5	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	19	182.6842	223.306	3471	5	710	1143	15.11214	20.20626	17273	0.1	500	-0.3949	0.2587	10	
ARSENIC	5	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	1	11	#N/A	11	11	11	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	5	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	19	182.6842	223.306	3471	5	710	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	5	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	19	182.6842	223.306	3471	5	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	1	11	#N/A	11	11	11	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	1	
ARSENIC	5	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	19	182.6842	223.306	3471	5	710	3055	80.69675	86.32936	246529	1.5	1000	-0.60957	0.0354	12	*
ARSENIC	10	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	11	#N/A	11	11	11	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	15	229.6	230.0218	3444	10	710	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	11	#N/A	11	11	11	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	15	229.6	230.0218	3444	10	710	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	11	#N/A	11	11	11	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	15	229.6	230.0218	3444	10	710	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	11	#N/A	11	11	11	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	15	229.6	230.0218	3444	10	710	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	11	#N/A	11	11	11	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	15	229.6	230.0218	3444	10	710	381	76.9874	1398.35	29332	1	27300	0.45987	0.1547	11	
ARSENIC	10	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	11	#N/A	11	11	11	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	1	
ARSENIC	10	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	15	229.6	230.0218	3444	10	710	2444	191.2581	235.3253	467435	20	6070	0.66387	0.0259	11	*
ARSENIC	10	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	11	#N/A	11	11	11	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	15	229.6	230.0218	3444	10	710	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019 (FEET)	1	11	#N/A	11	11	11	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	10	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019 (FEET)	15	229.6	230.0218	3444	10	710	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	10	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	1	11	#N/A	11	11	11	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	1	
ARSENIC	10	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	15	229.6	230.0218	3444	10	710	1139	4.920281	4.112258	5604.2	0.1	16.1	0.75985	0.4505	3	
ARSENIC	10	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	11	#N/A	11	11	11	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
ARSENIC	10	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	15	229.6	230.0218	3444	10	710	718	165.5272	259.2981	118849	17	4000	0.86436	0.0013	10	*
ARSENIC	10	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	11	#N/A	11	11	11	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
ARSENIC	10	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	15	229.6	230.0218	3444	10	710	933	94.67899	176.9992	88336	3	2500	0.8735	0.0001	13	*
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	11	#N/A	11	11	11	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	11	#N/A	11	11	11	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
ARSENIC	10	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	15	229.6	230.0218	3444	10	710	157	6095.796	15060	957040	10	86000	0.76781	0.0022	13	*
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	15	229.6	230.0218	3444	10	710	1368	841.5009	4078.394	1151173	3	59600	0.40519	0.2164	11	
ARSENIC	10	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	11	#N/A	11	11	11	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	11	#N/A	11	11	11	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	
ARSENIC	10	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	15	229.6	230.0218	3444	10	710	157	504.8631	1439.597	79264	10	12000	-0.49769	0.0834	13	
ARSENIC	10	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	15	229.6	230.0218	3444	10	710	1300	746.6604	1671.579	970659	1	13000	-0.69831	0.0168	11	*

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	11	#N/A	11	11	11	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	10	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	15	229.6	230.0218	3444	10	710	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	10	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	11	#N/A	11	11	11	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
ARSENIC	10	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	15	229.6	230.0218	3444	10	710	164	13.42847	18.68951	2202.269	0.038	180	-0.73981	0.4698	3	
ARSENIC	10	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	11	#N/A	11	11	11	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	1	
ARSENIC	10	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	15	229.6	230.0218	3444	10	710	805	0.029575	0.140689	23.808	0.01	2.9	-0.22841	0.4993	11	
ARSENIC	10	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	11	#N/A	11	11	11	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	1	
ARSENIC	10	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	15	229.6	230.0218	3444	10	710	2390	5.851039	0.823241	13984	3	11.3	0.20939	0.5366	11	
ARSENIC	10	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	1	11	#N/A	11	11	11	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	1	
ARSENIC	10	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	11	#N/A	11	11	11	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	1	
ARSENIC	10	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	15	229.6	230.0218	3444	10	710	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ARSENIC	10	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	15	229.6	230.0218	3444	10	710	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	1	
ARSENIC	10	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	11	#N/A	11	11	11	57	1	0	57	1	1	#N/A	#N/A	0	
ARSENIC	10	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	15	229.6	230.0218	3444	10	710	57	1	0	57	1	1	#N/A	#N/A	11	
ARSENIC	10	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	11	#N/A	11	11	11	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	1	
ARSENIC	10	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	15	229.6	230.0218	3444	10	710	1143	15.11214	20.20626	17273	0.1	500	-0.3949	0.2587	10	
ARSENIC	10	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	1	11	#N/A	11	11	11	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	10	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	15	229.6	230.0218	3444	10	710	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	10	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	11	#N/A	11	11	11	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	15	229.6	230.0218	3444	10	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	1	11	#N/A	11	11	11	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	1	
ARSENIC	10	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	15	229.6	230.0218	3444	10	710	3055	80.69675	86.32936	246529	1.5	1000	-0.81379	0.1055	8	
ARSENIC	20	ALKALINITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	ALKALINITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14	245.2857	230.2292	3434	22	710	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	14	245.2857	230.2292	3434	22	710	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14	245.2857	230.2292	3434	22	710	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14	245.2857	230.2292	3434	22	710	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14	245.2857	230.2292	3434	22	710	381	76.9874	1398.35	29332	1	27300	0.45987	0.1547	11	
ARSENIC	20	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CONDUCTANCE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
ARSENIC	20	CONDUCTANCE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14	245.2857	230.2292	3434	22	710	2444	191.2581	235.3253	467435	20	6070	0.66387	0.0259	11	*
ARSENIC	20	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	20	CYANIDE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14	245.2857	230.2292	3434	22	710	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
ARSENIC	20	CYANIDE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	DEPTH-BELOW-LAN	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	20	DEPTH-BELOW-LAN	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14	245.2857	230.2292	3434	22	710	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-OXYGE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-OXYGE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14	245.2857	230.2292	3434	22	710	1139	4.920281	4.112258	5604.2	0.1	16.1	0.75985	0.4505	3	
ARSENIC	20	DISSOLVED-SOLID	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-SOLID	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14	245.2857	230.2292	3434	22	710	718	165.5272	259.2981	118849	17	4000	0.86436	0.0013	10	*
ARSENIC	20	HARDNESS	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
ARSENIC	20	HARDNESS	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14	245.2857	230.2292	3434	22	710	933	94.67899	176.9992	88336	3	2500	0.8735	0.0001	13	*

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14	245.2857	230.2292	3434	22	710	157	6095.796	15060	957040	10	86000	0.76781	0.0022	13	*
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14	245.2857	230.2292	3434	22	710	1368	841.5009	4078.394	1151173	3	59600	0.40519	0.2164	11	
ARSENIC	20	IRON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14	245.2857	230.2292	3434	22	710	157	504.8631	1439.597	79264	10	12000	-0.49789	0.0834	13	
ARSENIC	20	MANGANESE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14	245.2857	230.2292	3434	22	710	1300	746.6604	1671.579	970659	1	13000	-0.69831	0.0168	11	*
ARSENIC	20	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MERCURY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MERCURY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	NICKEL	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	*20*	*NICKEL*	*GROUND WATER*	*P01000*	*ARSENIC-DISSOLVED-P01000-(UG/L AS AS)*	*P01067*	*NICKEL-TOTAL-P01067-(UG/L AS NI)*	*0*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*0*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*0*	
ARSENIC	20	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14	245.2857	230.2292	3434	22	710	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
ARSENIC	20	NICKEL	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	NITRATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
ARSENIC	20	NITRATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	14	245.2857	230.2292	3434	22	710	164	13.42847	18.68951	2202.269	0.038	180	-0.73981	0.4698	3	
ARSENIC	20	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
ARSENIC	20	NITRITE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14	245.2857	230.2292	3434	22	710	805	0.029575	0.140689	23.808	0.01	2.9	-0.22841	0.4993	11	
ARSENIC	20	NITRITE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	PH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
ARSENIC	20	PH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14	245.2857	230.2292	3434	22	710	2390	5.851039	0.823241	13984	3	11.3	0.20939	0.5366	11	
ARSENIC	20	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ARSENIC	20	RADON	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
ARSENIC	20	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	14	245.2857	230.2292	3434	22	710	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
ARSENIC	20	RADON	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	14	245.2857	230.2292	3434	22	710	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14	245.2857	230.2292	3434	22	710	57	1	0	57	1	1	#N/A	#N/A	11	
ARSENIC	20	SELENIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	SULFATE	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
ARSENIC	20	SULFATE	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	14	245.2857	230.2292	3434	22	710	1143	15.11214	20.20626	17273	0.1	500	-0.3949	0.2587	10	
ARSENIC	20	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	TURBIDITY	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	20	TURBIDITY	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	14	245.2857	230.2292	3434	22	710	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
ARSENIC	20	URANIUM-235	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	URANIUM-235	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	URANIUM-238	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	URANIUM-238	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14	245.2857	230.2292	3434	22	710	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	WELL-DEPTH	GROUND WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
ARSENIC	20	WELL-DEPTH	GROUND WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	14	245.2857	230.2292	3434	22	710	3055	80.69675	86.32936	246529	1.5	1000	-0.6192	0.1381	7	
BARIUM	0	ALKALINITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	384	24.11328	50.57306	9259.5	2	420	384	0.55182	0.15157	211.9	0.5	1.5	0.5728	0.0001	384	*
BARIUM	0	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	384	24.11328	50.57306	9259.5	2	420	384	1.102865	0.423484	423.5	1	5	0.08549	0.0943	384	
BARIUM	0	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
BARIUM	0	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
BARIUM	0	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	384	24.11328	50.57306	9259.5	2	420	381	76.9874	1398.35	29332	1	27300	-0.09054	0.0828	368	
BARIUM	0	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CONDUCTANCE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	384	24.11328	50.57306	9259.5	2	420	2444	191.2581	235.3253	467435	20	6070	0.48169	0.0001	375	*
BARIUM	0	CONDUCTANCE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	CONDUCTANCE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	384	24.11328	50.57306	9259.5	2	420	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	10	
BARIUM	0	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BARIUM	0	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	384	24.11328	50.57306	9259.5	2	420	296	140105	2410103	41470995	1.22	41465000	-0.46026	0.1135	13	
BARIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	384	24.11328	50.57306	9259.5	2	420	1139	4.920281	4.112258	5604.2	0.1	16.1	0.28061	0.0002	175	*
BARIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-SOLID	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	384	24.11328	50.57306	9259.5	2	420	718	165.5272	259.2981	118849	17	4000	0.41412	0.0001	372	*
BARIUM	0	DISSOLVED-SOLID	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-SOLID	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BARIUM	0	HARDNESS	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	384	24.11328	50.57306	9259.5	2	420	933	94.67899	176.9992	88336	3	2500	0.49366	0.0001	384	*
BARIUM	0	HARDNESS	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BARIUM	0	HARDNESS	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	384	24.11328	50.57306	9259.5	2	420	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	384	24.11328	50.57306	9259.5	2	420	1368	841.5009	4078.394	1151173	3	59600	-0.05583	0.2751	384	
BARIUM	0	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BARIUM	0	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	384	24.11328	50.57306	9259.5	2	420	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	384	24.11328	50.57306	9259.5	2	420	1300	746.6604	1671.579	970659	1	13000	0.32303	0.0001	384	*
BARIUM	0	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BARIUM	0	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BARIUM	0	MERCURY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MERCURY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region I (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	MERCURY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MERCURY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MERCURY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MERCURY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	384	24.11328	50.57306	9259.5	2	420	368	9.605978	2.167299	3535	1	20	-0.50365	0.0001	368	*
BARIUM	0	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
BARIUM	0	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
BARIUM	0	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	384	24.11328	50.57306	9259.5	2	420	805	0.029575	0.140689	23.808	0.01	2.9	0.00078	0.9883	353	
BARIUM	0	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
BARIUM	0	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	PH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	384	24.11328	50.57306	9259.5	2	420	2390	5.851039	0.823241	13984	3	11.3	-0.03569	0.4872	377	
BARIUM	0	PH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
BARIUM	0	PH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
BARIUM	0	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	384	24.11328	50.57306	9259.5	2	420	57	1	0	57	1	1	#N/A	#N/A	44	
BARIUM	0	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
BARIUM	0	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
BARIUM	0	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	384	24.11328	50.57306	9259.5	2	420	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	TURBIDITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	384	24.11328	50.57306	9259.5	2	420	294	21.29973	107.3283	6262.12	0.1	1000	-0.11194	0.0605	282	
BARIUM	0	TURBIDITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
BARIUM	0	TURBIDITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
BARIUM	0	WELL-DEPTH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	384	24.11328	50.57306	9259.5	2	420	3055	80.69675	86.32936	246529	1.5	1000	-0.2685	0.0001	338	*
BARIUM	0	WELL-DEPTH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
BARIUM	0	WELL-DEPTH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	ANTIMONY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BARIUM	2000	DEPTH-BELOW-LAN	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	DISSOLVED-OXYGE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BARIUM	2000	IRON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
BARIUM	2000	NICKEL	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	NITRATE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
BARIUM	2000	NITRATE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
BARIUM	2000	NITRATE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	

Appendix F-throughd. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	NITRITE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BARIUM	2000	PH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2390	5.851039	0.823241	13984	3	11.3	ON/A	ON/A	0	
BARIUM	2000	PH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2390	5.851039	0.823241	13984	3	11.3	ON/A	ON/A	0	
BARIUM	2000	PH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2390	5.851039	0.823241	13984	3	11.3	ON/A	ON/A	0	
BARIUM	2000	RADON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	29	52.72414	24.31034	1529	20	120	ON/A	ON/A	0	
BARIUM	2000	RADON	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	58	5779.828	8104.887	335230	200	39000	ON/A	ON/A	0	
BARIUM	2000	RADON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	29	52.72414	24.31034	1529	20	120	ON/A	ON/A	0	
BARIUM	2000	RADON	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	58	5779.828	8104.887	335230	200	39000	ON/A	ON/A	0	
BARIUM	2000	RADON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P76002	RADON 222-PE-P76002-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	29	52.72414	24.31034	1529	20	120	ON/A	ON/A	0	
BARIUM	2000	RADON	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	58	5779.828	8104.887	335230	200	39000	ON/A	ON/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	57	1	0	57	1	1	ON/A	ON/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	57	1	0	57	1	1	ON/A	ON/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	57	1	0	57	1	1	ON/A	ON/A	0	
BARIUM	2000	SELENIUM	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BARIUM	2000	SULFATE	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1143	15.11214	20.20626	17273	0.1	500	ON/A	ON/A	0	
BARIUM	2000	SULFATE	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1143	15.11214	20.20626	17273	0.1	500	ON/A	ON/A	0	
BARIUM	2000	SULFATE	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1143	15.11214	20.20626	17273	0.1	500	ON/A	ON/A	0	
BARIUM	2000	TURBIDITY	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	ON/A	ON/A	ON/A	ON/A	ON/A	294	21.29973	107.3283	6262.12	0.1	1000	ON/A	ON/A	0	
BARIUM	2000	TURBIDITY	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	ON/A	ON/A	ON/A	ON/A	ON/A	294	21.29973	107.3283	6262.12	0.1	1000	ON/A	ON/A	0	
BARIUM	2000	TURBIDITY	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	ON/A	ON/A	ON/A	ON/A	ON/A	294	21.29973	107.3283	6262.12	0.1	1000	ON/A	ON/A	0	
BARIUM	2000	WELL-DEPTH	GROUND WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	3055	80.69675	88.32936	246529	1.5	1000	ON/A	ON/A	0	
BARIUM	2000	WELL-DEPTH	GROUND WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	3055	80.69675	88.32936	246529	1.5	1000	ON/A	ON/A	0	
BARIUM	2000	WELL-DEPTH	GROUND WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	3055	80.69675	88.32936	246529	1.5	1000	ON/A	ON/A	0	
BERYLLIUM	0	ALKALINITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	384	0.55182	0.15157	211.9	0.5	1.5	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	ALKALINITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	384	0.55182	0.15157	211.9	0.5	1.5	384	1.10286	0.42348	423.5	1	5	-0.03445	0.5008	384	
BERYLLIUM	0	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	384	0.55182	0.15157	211.9	0.5	1.5	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	1.10286	0.42348	423.5	1	5	ON/A	ON/A	0	
BERYLLIUM	0	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	384	0.55182	0.15157	211.9	0.5	1.5	381	76.9874	1398.35	29332	1	27300	-0.19719	0.0001	368	*
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	384	0.55182	0.15157	211.9	0.5	1.5	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	384	0.55182	0.15157	211.9	0.5	1.5	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	381	76.9874	1398.35	29332	1	27300	ON/A	ON/A	0	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CONDUCTANCE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	384	0.55182	0.15157	211.9	0.5	1.5	2444	191.2581	235.3253	467435	20	6070	0.2761	0.0001	375	*
BERYLLIUM	0	CONDUCTANCE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2444	191.2581	235.3253	467435	20	6070	ON/A	ON/A	0	
BERYLLIUM	0	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	384	0.55182	0.15157	211.9	0.5	1.5	10	0.01	0	0.1	0.01	0.01	ON/A	ON/A	10	
BERYLLIUM	0	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	384	0.55182	0.15157	211.9	0.5	1.5	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
BERYLLIUM	0	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	ON/A	ON/A	ON/A	ON/A	ON/A	10	0.01	0	0.1	0.01	0.01	ON/A	ON/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	384	0.55182	0.15157	211.9	0.5	1.5	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	13	
BERYLLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BERYLLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	384	0.55182	0.15157	211.9	0.5	1.5	1139	4.92028	4.11226	5604.2	0.1	16.1	0.47004	0.0001	175	*
BERYLLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.92028	4.11226	5604.2	0.1	16.1	#N/A	#N/A	0	
BERYLLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	384	0.55182	0.15157	211.9	0.5	1.5	718	165.5272	259.2981	118849	17	4000	0.27056	0.0001	372	*
BERYLLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BERYLLIUM	0	HARDNESS	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	384	0.55182	0.15157	211.9	0.5	1.5	933	94.67899	176.9992	88336	3	2500	0.38233	0.0001	384	*
BERYLLIUM	0	HARDNESS	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	384	0.55182	0.15157	211.9	0.5	1.5	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	384	0.55182	0.15157	211.9	0.5	1.5	1368	841.5009	4078.394	1151173	3	59600	-0.05901	0.2487	384	
BERYLLIUM	0	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BERYLLIUM	0	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	384	0.55182	0.15157	211.9	0.5	1.5	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	384	0.55182	0.15157	211.9	0.5	1.5	1300	746.6604	1671.579	970659	1	13000	0.21095	0.0001	384	*
BERYLLIUM	0	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BERYLLIUM	0	MERCURY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MERCURY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MERCURY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MERCURY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	384	0.55182	0.15157	211.9	0.5	1.5	368	9.60598	2.1673	3535	1	20	-0.66881	0.0001	368	*
BERYLLIUM	0	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
BERYLLIUM	0	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	384	0.55182	0.15157	211.9	0.5	1.5	805	0.02958	0.14069	23.808	0.01	2.9	-0.03152	0.5551	353	
BERYLLIUM	0	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.02958	0.14069	23.808	0.01	2.9	#N/A	#N/A	0	
BERYLLIUM	0	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	PH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	384	0.55182	0.15157	211.9	0.5	1.5	2390	5.85104	0.82324	13984	3	11.3	0.03027	0.558	377	
BERYLLIUM	0	PH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.85104	0.82324	13984	3	11.3	#N/A	#N/A	0	
BERYLLIUM	0	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	384	0.55182	0.15157	211.9	0.5	1.5	57	1	0	57	1	1	#N/A	#N/A	44	
BERYLLIUM	0	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
BERYLLIUM	0	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	THALLIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	THALLIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	384	0.55182	0.15157	211.9	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	THALLIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	THALLIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	TURBIDITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	384	0.55182	0.15157	211.9	0.5	1.5	294	21.29973	107.3283	6262.12	0.1	1000	-0.04199	0.4825	282	
BERYLLIUM	0	TURBIDITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
BERYLLIUM	0	WELL-DEPTH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	384	0.55182	0.15157	211.9	0.5	1.5	3055	80.69675	86.32936	246529	1.5	1000	-0.13957	0.0102	338	*
BERYLLIUM	0	WELL-DEPTH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.18182	1.11979	104	1	11	#N/A	#N/A	0	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.18182	1.11979	104	1	11	#N/A	#N/A	0	
BERYLLIUM	4	ARSENIC	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.10286	0.42348	423.5	1	5	#N/A	#N/A	0	
BERYLLIUM	4	CADMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.10286	0.42348	423.5	1	5	#N/A	#N/A	0	
BERYLLIUM	4	CADMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CONDUCTANCE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
BERYLLIUM	4	CONDUCTANCE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	DEPTH-BELOW-LAN	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BERYLLIUM	4	DEPTH-BELOW-LAN	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-OXYGE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.92028	4.11228	5604.2	0.1	16.1	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-OXYGE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.92028	4.11228	5604.2	0.1	16.1	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-SOLID	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	DISSOLVED-SOLID	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
BERYLLIUM	4	HARDNESS	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BERYLLIUM	4	HARDNESS	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
BERYLLIUM	4	IRON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
BERYLLIUM	4	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
BERYLLIUM	4	NICKEL	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
BERYLLIUM	4	NICKEL	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	NITRATE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
BERYLLIUM	4	NITRATE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.02958	0.14069	23.808	0.01	2.9	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.02958	0.14069	23.808	0.01	2.9	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	PH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.85104	0.82324	13984	3	11.3	#N/A	#N/A	0	
BERYLLIUM	4	PH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.85104	0.82324	13984	3	11.3	#N/A	#N/A	0	
BERYLLIUM	4	RADON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
BERYLLIUM	4	RADON	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
BERYLLIUM	4	RADON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
BERYLLIUM	4	RADON	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	SULFATE	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11213	20.20626	17273	0.1	500	#N/A	#N/A	0	
BERYLLIUM	4	SULFATE	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11213	20.20626	17273	0.1	500	#N/A	#N/A	0	
BERYLLIUM	4	TURBIDITY	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
BERYLLIUM	4	TURBIDITY	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
BERYLLIUM	4	WELL-DEPTH	GROUND WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	WELL-DEPTH	GROUND WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	66.32936	246529	1.5	1000	#N/A	#N/A	0	
CADMIUM	0	ALKALINITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	ALKALINITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	384	1.102865	0.423484	423.5	1	5	381	76.9874	1398.35	29332	1	27300	-0.01692	0.7464	368	
CADMIUM	0	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CONDUCTANCE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	384	1.102865	0.423484	423.5	1	5	2444	191.2581	235.3253	467435	20	6070	0.06101	0.2385	375	
CADMIUM	0	CONDUCTANCE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CADMIUM	0	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	384	1.102865	0.423484	423.5	1	5	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	10	
CADMIUM	0	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
CADMIUM	0	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	384	1.102865	0.423484	423.5	1	5	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	13	
CADMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CADMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	384	1.102865	0.423484	423.5	1	5	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.09435	0.2143	175	
CADMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CADMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	384	1.102865	0.423484	423.5	1	5	718	165.5272	259.2981	118849	17	4000	0.04203	0.419	372	
CADMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CADMIUM	0	HARDNESS	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	384	1.102865	0.423484	423.5	1	5	933	94.67899	176.9992	88336	3	2500	0.02463	0.6304	384	
CADMIUM	0	HARDNESS	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	384	1.102865	0.423484	423.5	1	5	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	384	1.102865	0.423484	423.5	1	5	1368	841.5009	4078.394	1151173	3	59600	0.31384	0.0001	384	*
CADMIUM	0	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CADMIUM	0	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	384	1.10286	0.42348	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	384	1.10286	0.42348	423.5	1	5	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	384	1.10286	0.42348	423.5	1	5	1300	746.6604	1671.579	970659	1	13000	0.05147	0.3144	384	
CADMIUM	0	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CADMIUM	0	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	384	1.102865	0.423484	423.5	1	5	388	9.605978	2.167299	3535	1	20	0.08894	0.0884	368	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	0	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.187299	3535	1	20	#N/A	#N/A	0	
CADMIUM	0	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	384	1.102865	0.423484	423.5	1	5	805	0.029575	0.140689	23.808	0.01	2.9	-0.03622	0.4976	353	
CADMIUM	0	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CADMIUM	0	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	PH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	384	1.102865	0.423484	423.5	1	5	2390	5.851039	0.823241	13984	3	11.3	-0.01269	0.806	377	
CADMIUM	0	PH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CADMIUM	0	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	384	1.102865	0.423484	423.5	1	5	57	1	0	57	1	1	#N/A	#N/A	44	
CADMIUM	0	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CADMIUM	0	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	384	1.102865	0.423484	423.5	1	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	TURBIDITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	384	1.102865	0.423484	423.5	1	5	294	21.29973	107.3283	6262.12	0.1	1000	-0.03793	0.5259	282	
CADMIUM	0	TURBIDITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CADMIUM	0	WELL-DEPTH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	384	1.102865	0.423484	423.5	1	5	3055	80.69675	86.32936	246529	1.5	1000	0.04015	0.462	338	
CADMIUM	0	WELL-DEPTH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CADMIUM	5	ALKALINITY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	ALKALINITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	5	#N/A	5	5	5	54	1	0	54	1	1	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	5	#N/A	5	5	5	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	5	#N/A	5	5	5	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	5	#N/A	5	5	5	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	1	
CADMIUM	5	BARIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	5	#N/A	5	5	5	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	1	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	5	#N/A	5	5	5	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	1	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CONDUCTANCE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	5	#N/A	5	5	5	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	1	
CADMIUM	5	CONDUCTANCE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	5	#N/A	5	5	5	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	DEPTH-BELOW-LAN	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	5	#N/A	5	5	5	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CADMIUM	5	DEPTH-BELOW-LAN	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-OXYGE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	5	#N/A	5	5	5	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	1	
CADMIUM	5	DISSOLVED-OXYGE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-SOLID	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	5	#N/A	5	5	5	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
CADMIUM	5	DISSOLVED-SOLID	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CADMIUM	5	HARDNESS	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	5	#N/A	5	5	5	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
CADMIUM	5	HARDNESS	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	5	#N/A	5	5	5	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	5	#N/A	5	5	5	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
CADMIUM	5	IRON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CADMIUM	5	IRON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	5	#N/A	5	5	5	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	5	#N/A	5	5	5	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	
CADMIUM	5	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CADMIUM	5	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MERCURY	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MERCURY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	5	#N/A	5	5	5	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	1	
CADMIUM	5	NICKEL	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CADMIUM	5	NICKEL	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	NITRATE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	5	#N/A	5	5	5	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	NITRATE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
CADMIUM	5	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	5	#N/A	5	5	5	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	1	
CADMIUM	5	NITRITE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CADMIUM	5	NITRITE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	PH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	5	#N/A	5	5	5	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	1	
CADMIUM	5	PH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76002	RADON 222-PE-P76002-(PCI/L)	1	5	#N/A	5	5	5	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CADMIUM	5	RADON	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	5	#N/A	5	5	5	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CADMIUM	5	RADON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CADMIUM	5	RADON	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	5	#N/A	5	5	5	57	1	0	57	1	1	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	SULFATE	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	5	#N/A	5	5	5	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	1	
CADMIUM	5	SULFATE	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	*TURBIDITY*	*GROUND WATER*	*P01025*	CADMIUM-DISSOLVED-*P01025-(UG/L AS CD)*	*P00076*	*TURBIDITY-P00076-(NTU)*	1	5	#N/A	5	5	5	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	1	
CADMIUM	5	TURBIDITY	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CADMIUM	5	URANIUM-235	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	URANIUM-235	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	URANIUM-238	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	5	#N/A	5	5	5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	URANIUM-238	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	WELL-DEPTH	GROUND WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	1	5	#N/A	5	5	5	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	1	
CADMIUM	5	WELL-DEPTH	GROUND WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	CONDUCTANCE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	381	76.9874	1398.35	29332	1	27300	2444	191.2581	235.3253	467435	20	6070	0.60466	0.0001	372	*
CHROMIUM	0	CONDUCTANCE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CHROMIUM	0	CONDUCTANCE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	381	76.9874	1398.35	29332	1	27300	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	10	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	381	76.9874	1398.35	29332	1	27300	296	140105	2410103	41470995	1.22	41465000	0.37864	0.202	13	
CHROMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	381	76.9874	1398.35	29332	1	27300	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.31249	0.0001	172	*
CHROMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	381	76.9874	1398.35	29332	1	27300	718	165.5272	259.2981	118849	17	4000	0.78155	0.0001	368	*
CHROMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-SOLID	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CHROMIUM	0	HARDNESS	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	381	76.9874	1398.35	29332	1	27300	933	94.67899	176.9992	88336	3	2500	0.51153	0.0001	381	*
CHROMIUM	0	HARDNESS	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CHROMIUM	0	HARDNESS	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	381	76.9874	1398.35	29332	1	27300	157	6095.796	15060	957040	10	86000	0.11495	0.7085	13	
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	381	76.9874	1398.35	29332	1	27300	1368	841.5009	4078.394	1151173	3	59600	-0.00339	0.9474	381	
CHROMIUM	0	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CHROMIUM	0	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	381	76.9874	1398.35	29332	1	27300	157	504.8631	1439.597	79264	10	12000	-0.20726	0.4969	13	
CHROMIUM	0	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	381	76.9874	1398.35	29332	1	27300	1300	746.6604	1671.579	970659	1	13000	-0.01506	0.7696	381	
CHROMIUM	0	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	381	76.9874	1398.35	29332	1	27300	368	9.605978	2.167299	3535	1	20	0.21995	0.0001	368	*
CHROMIUM	0	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	381	76.9874	1398.35	29332	1	27300	805	0.029575	0.140689	23.808	0.01	2.9	-0.00408	0.9393	350	
CHROMIUM	0	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	PH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	381	76.9874	1398.35	29332	1	27300	2390	5.851039	0.823241	13984	3	11.3	0.09531	0.0656	374	
CHROMIUM	0	PH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CHROMIUM	0	PH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	381	76.9874	1398.35	29332	1	27300	57	1	0	57	1	1	#N/A	#N/A	57	
CHROMIUM	0	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	381	76.9874	1398.35	29332	1	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	TURBIDITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	381	76.9874	1398.35	29332	1	27300	294	21.29973	107.3283	6262.12	0.1	1000	-0.02105	0.7248	282	
CHROMIUM	0	TURBIDITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CHROMIUM	0	TURBIDITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CHROMIUM	0	WELL-DEPTH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	381	76.9874	1398.35	29332	1	27300	3055	80.69675	86.32936	246529	1.5	1000	-0.0438	0.427	331	
CHROMIUM	0	WELL-DEPTH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CHROMIUM	0	WELL-DEPTH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	27300	#N/A	27300	27300	27300	54	1	0	54	1	1	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	ANTIMONY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	54	1	0	54	1	1	0N/A	0N/A	0	
CHROMIUM	100	ANTIMONY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	27300	0N/A	27300	27300	27300	88	1.181818	1.119785	104	1	11	0N/A	0N/A	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	27300	0N/A	27300	27300	27300	21	165.381	218.782	3473	1	710	0N/A	0N/A	1	
CHROMIUM	100	ARSENIC	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	88	1.181818	1.119785	104	1	11	0N/A	0N/A	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	21	165.381	218.782	3473	1	710	0N/A	0N/A	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	88	1.181818	1.119785	104	1	11	0N/A	0N/A	0	
CHROMIUM	100	ARSENIC	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	21	165.381	218.782	3473	1	710	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	27300	0N/A	27300	27300	27300	384	24.11328	50.57306	9259.5	2	420	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	27300	0N/A	27300	27300	27300	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	27300	0N/A	27300	27300	27300	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	24.11328	50.57306	9259.5	2	420	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	24.11328	50.57306	9259.5	2	420	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BARIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	27300	0N/A	27300	27300	27300	384	0.55182	0.15157	211.9	0.5	1.5	0N/A	0N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	27300	0N/A	27300	27300	27300	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	0.55182	0.15157	211.9	0.5	1.5	0N/A	0N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	0.55182	0.15157	211.9	0.5	1.5	0N/A	0N/A	0	
CHROMIUM	100	BERYLLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	27300	0N/A	27300	27300	27300	384	1.102865	0.423484	423.5	1	5	0N/A	0N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	27300	0N/A	27300	27300	27300	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	1.102865	0.423484	423.5	1	5	0N/A	0N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	1.102865	0.423484	423.5	1	5	0N/A	0N/A	0	
CHROMIUM	100	CADMIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	CONDUCTANCE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	27300	0N/A	27300	27300	27300	2444	191.2581	235.3253	467435	20	6070	0N/A	0N/A	1	
CHROMIUM	100	CONDUCTANCE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2444	191.2581	235.3253	467435	20	6070	0N/A	0N/A	0	
CHROMIUM	100	CONDUCTANCE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2444	191.2581	235.3253	467435	20	6070	0N/A	0N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	27300	0N/A	27300	27300	27300	10	0.01	0	0.1	0.01	0.01	0N/A	0N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	27300	0N/A	27300	27300	27300	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	10	0.01	0	0.1	0.01	0.01	0N/A	0N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	10	0.01	0	0.1	0.01	0.01	0N/A	0N/A	0	
CHROMIUM	100	CYANIDE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	27300	0N/A	27300	27300	27300	296	140105	2410103	41470995	1.22	41465000	0N/A	0N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	296	140105	2410103	41470995	1.22	41465000	0N/A	0N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	296	140105	2410103	41470995	1.22	41465000	0N/A	0N/A	0	
CHROMIUM	100	DISSOLVED-OXYGE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	27300	0N/A	27300	27300	27300	1139	4.920281	4.112258	5604.2	0.1	16.1	0N/A	0N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	DISSOLVED-OXYGE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-OXYGE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-SOLID	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	27300	#N/A	27300	27300	27300	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
CHROMIUM	100	DISSOLVED-SOLID	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-SOLID	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CHROMIUM	100	HARDNESS	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	27300	#N/A	27300	27300	27300	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
CHROMIUM	100	HARDNESS	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CHROMIUM	100	HARDNESS	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	27300	#N/A	27300	27300	27300	157	6095.796	15060	957040	10	86000	#N/A	#N/A	1	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	27300	#N/A	27300	27300	27300	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
CHROMIUM	100	IRON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CHROMIUM	100	IRON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	27300	#N/A	27300	27300	27300	157	504.8631	1439.597	79284	10	12000	#N/A	#N/A	1	
CHROMIUM	100	MANGANESE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	27300	#N/A	27300	27300	27300	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	
CHROMIUM	100	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79284	10	12000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79284	10	12000	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	27300	#N/A	27300	27300	27300	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	NITRATE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	27300	#N/A	27300	27300	27300	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	NITRATE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
CHROMIUM	100	NITRATE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	27300	#N/A	27300	27300	27300	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	1	
CHROMIUM	100	NITRITE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	PH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	27300	#N/A	27300	27300	27300	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	1	
CHROMIUM	100	PH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CHROMIUM	100	PH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	1	27300	#N/A	27300	27300	27300	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	27300	#N/A	27300	27300	27300	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CHROMIUM	100	RADON	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	27300	#N/A	27300	27300	27300	57	1	0	57	1	1	#N/A	#N/A	1	
CHROMIUM	100	SELENIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	SULFATE	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	27300	#N/A	27300	27300	27300	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	1	
CHROMIUM	100	SULFATE	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
CHROMIUM	100	SULFATE	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	TURBIDITY	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	1	27300	#N/A	27300	27300	27300	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	TURBIDITY	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CHROMIUM	100	TURBIDITY	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	27300	#N/A	27300	27300	27300	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	WELL-DEPTH	GROUND WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	1	27300	#N/A	27300	27300	27300	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	1	
CHROMIUM	100	WELL-DEPTH	GROUND WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CHROMIUM	100	WELL-DEPTH	GROUND WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CYANIDE	0	ALKALINITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	ALKALINITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	CONDUCTANCE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	10	0.01	0	0.1	0.01	0.01	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	3	
CYANIDE	0	CONDUCTANCE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CYANIDE	0	DEPTH-BELOW-LAN	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	10	0.01	0	0.1	0.01	0.01	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CYANIDE	0	DEPTH-BELOW-LAN	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CYANIDE	0	DISSOLVED-OXYGE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	10	0.01	0	0.1	0.01	0.01	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CYANIDE	0	DISSOLVED-OXYGE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CYANIDE	0	DISSOLVED-SOLID	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	10	0.01	0	0.1	0.01	0.01	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	7	
CYANIDE	0	DISSOLVED-SOLID	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CYANIDE	0	HARDNESS	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	10	0.01	0	0.1	0.01	0.01	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	10	
CYANIDE	0	HARDNESS	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	10	0.01	0	0.1	0.01	0.01	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	10	0.01	0	0.1	0.01	0.01	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	10	
CYANIDE	0	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CYANIDE	0	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	10	0.01	0	0.1	0.01	0.01	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	10	0.01	0	0.1	0.01	0.01	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	10	
CYANIDE	0	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CYANIDE	0	MERCURY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MERCURY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MERCURY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MERCURY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	10	0.01	0	0.1	0.01	0.01	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	10	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.187299	3535	1	20	#N/A	#N/A	0	
CYANIDE	0	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	10	0.01	0	0.1	0.01	0.01	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CYANIDE	0	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CYANIDE	0	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	PH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	10	0.01	0	0.1	0.01	0.01	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	3	
CYANIDE	0	PH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CYANIDE	0	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	10	0.01	0	0.1	0.01	0.01	57	1	0	57	1	1	#N/A	#N/A	10	
CYANIDE	0	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CYANIDE	0	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	10	0.01	0	0.1	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	TURBIDITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	10	0.01	0	0.1	0.01	0.01	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CYANIDE	0	TURBIDITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CYANIDE	0	WELL-DEPTH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	10	0.01	0	0.1	0.01	0.01	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	10	
CYANIDE	0	WELL-DEPTH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
CYANIDE	0.2	ANTIMONY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CYANIDE	0.2	ANTIMONY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	ANTIMONY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CYANIDE	0.2	ANTIMONY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	ARSENIC	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
CYANIDE	0.2	ARSENIC	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
CYANIDE	0.2	ARSENIC	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
CYANIDE	0.2	ARSENIC	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BARIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BERYLLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
CYANIDE	0.2	BERYLLIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	BERYLLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
CYANIDE	0.2	BERYLLIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CADMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
CYANIDE	0.2	CADMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CADMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0.2	CADMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CHROMIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	CONDUCTANCE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CYANIDE	0.2	CONDUCTANCE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
CYANIDE	0.2	DEPTH-BELOW-LAN	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CYANIDE	0.2	DEPTH-BELOW-LAN	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
CYANIDE	0.2	DISSOLVED-OXYGE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CYANIDE	0.2	DISSOLVED-OXYGE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
CYANIDE	0.2	DISSOLVED-SOLID	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CYANIDE	0.2	DISSOLVED-SOLID	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
CYANIDE	0.2	HARDNESS	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CYANIDE	0.2	HARDNESS	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
CYANIDE	0.2	IRON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
CYANIDE	0.2	MANGANESE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
CYANIDE	0.2	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CYANIDE	0.2	NICKEL	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
CYANIDE	0.2	NICKEL	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	NITRATE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
CYANIDE	0.2	NITRATE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
CYANIDE	0.2	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CYANIDE	0.2	NITRITE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
CYANIDE	0.2	NITRITE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	PH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0.2	PH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
CYANIDE	0.2	RADON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CYANIDE	0.2	RADON	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CYANIDE	0.2	RADON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
CYANIDE	0.2	RADON	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
CYANIDE	0.2	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CYANIDE	0.2	SELENIUM	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
CYANIDE	0.2	SELENIUM	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0.2	SULFATE	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
CYANIDE	0.2	SULFATE	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
CYANIDE	0.2	TURBIDITY	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CYANIDE	0.2	TURBIDITY	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
CYANIDE	0.2	WELL-DEPTH	GROUND WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32938	246529	1.5	1000	#N/A	#N/A	0	
CYANIDE	0.2	WELL-DEPTH	GROUND WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32938	246529	1.5	1000	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	ALKALINITY	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	296	140105	2410103	41470995	1.22	41465000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	CONDUCTANCE	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	296	140105	2410103	41470995	1.22	41465000	2444	191.2581	235.3253	467435	20	6070	-0.14557	0.0123	295	*
DEPTH-BELOW-LAN	0	DISSOLVED-OXYGE	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	296	140105	2410103	41470995	1.22	41465000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.11245	0.0847	236	
DEPTH-BELOW-LAN	0	PH	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	296	140105	2410103	41470995	1.22	41465000	2390	5.851039	0.823241	13984	3	11.3	-0.09967	0.0985	276	
DEPTH-BELOW-LAN	0	TURBIDITY	GROUND WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00076	TURBIDITY-P00076-(NTU)	296	140105	2410103	41470995	1.22	41465000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
DISSOLVED-OXYGE	0	ALKALINITY	GROUND WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1139	4.920281	4.112258	5604.2	0.1	16.1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-OXYGE	0	CONDUCTANCE	GROUND WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1139	4.920281	4.112258	5604.2	0.1	16.1	2444	191.2581	235.3253	467435	20	6070	-0.20345	0.0001	1063	*
DISSOLVED-OXYGE	0	TURBIDITY	GROUND WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	1139	4.920281	4.112258	5604.2	0.1	16.1	294	21.29973	107.3283	6262.12	0.1	1000	-0.07991	0.3462	141	
DISSOLVED-SOLID	0	ALKALINITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	718	165.5272	259.2981	118849	17	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	0	CONDUCTANCE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	718	165.5272	259.2981	118849	17	4000	2444	191.2581	235.3253	467435	20	6070	0.93285	0.0001	658	*
DISSOLVED-SOLID	0	DEPTH-BELOW-LAN	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	718	165.5272	259.2981	118849	17	4000	296	140105	2410103	41470995	1.22	41465000	0.04047	0.5655	204	
DISSOLVED-SOLID	0	DISSOLVED-OXYGE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	718	165.5272	259.2981	118849	17	4000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.08777	0.058	467	
DISSOLVED-SOLID	0	HARDNESS	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	718	165.5272	259.2981	118849	17	4000	933	94.67899	176.9992	88336	3	2500	0.84529	0.0001	718	*
DISSOLVED-SOLID	0	PH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	718	165.5272	259.2981	118849	17	4000	2390	5.851039	0.823241	13984	3	11.3	0.20172	0.0001	710	*
DISSOLVED-SOLID	0	TURBIDITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	718	165.5272	259.2981	118849	17	4000	294	21.29973	107.3283	6262.12	0.1	1000	-0.04622	0.4403	281	
DISSOLVED-SOLID	0	WELL-DEPTH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	718	165.5272	259.2981	118849	17	4000	3055	80.69675	88.32938	246529	1.5	1000	-0.09389	0.0158	660	*
DISSOLVED-SOLID	500	ALKALINITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ANTIMONY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	28	1094.607	814.2085	30649	517	4000	54	1	0	54	1	1	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ANTIMONY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ARSENIC	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	28	1094.607	814.2085	30649	517	4000	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ARSENIC	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	28	1094.607	814.2085	30649	517	4000	21	165.381	218.782	3473	1	710	0.86568	0.0579	5	
DISSOLVED-SOLID	500	BARIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	28	1094.607	814.2085	30649	517	4000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BARIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BARIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BERYLLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	28	1094.607	814.2085	30649	517	4000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BERYLLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CADMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	28	1094.607	814.2085	30649	517	4000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
DISSOLVED-SOLID	500	CADMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CHROMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	28	1094.607	814.2085	30649	517	4000	381	76.9874	1398.35	29332	1	27300	0.92618	0.0238	5	*
DISSOLVED-SOLID	500	CHROMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CHROMIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CONDUCTANCE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	28	1094.607	814.2085	30649	517	4000	2444	191.2581	235.3253	467435	20	6070	0.8437	0.0001	14	*
DISSOLVED-SOLID	500	CYANIDE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	28	1094.607	814.2085	30649	517	4000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CYANIDE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	DEPTH-BELOW-LAN	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	28	1094.607	814.2085	30649	517	4000	296	140105	2410103	41470995	1.22	41465000	0.08998	0.8322	8	
DISSOLVED-SOLID	500	DISSOLVED-OXYGE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	28	1094.607	814.2085	30649	517	4000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.57711	0.0077	20	*
DISSOLVED-SOLID	500	HARDNESS	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	28	1094.607	814.2085	30649	517	4000	933	94.67899	176.9992	88336	3	2500	0.62746	0.0004	28	*
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	28	1094.607	814.2085	30649	517	4000	157	6095.796	15060	957040	10	86000	0.32749	0.5906	5	
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	28	1094.607	814.2085	30649	517	4000	1368	841.5009	4078.394	1151173	3	59600	0.16836	0.5698	14	
DISSOLVED-SOLID	500	IRON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01047	IRON-FERROUS-P01047-(UG/L)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MANGANESE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MANGANESE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	28	1094.607	814.2085	30649	517	4000	157	504.8631	1439.597	79264	10	12000	-0.62632	0.2583	5	
DISSOLVED-SOLID	500	MANGANESE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	28	1094.607	814.2085	30649	517	4000	1300	746.6604	1671.579	970659	1	13000	-0.15604	0.5943	14	
DISSOLVED-SOLID	500	MERCURY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MERCURY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	NICKEL	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	28	1094.607	814.2085	30649	517	4000	388	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
DISSOLVED-SOLID	500	NICKEL	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	NITRATE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	28	1094.607	814.2085	30649	517	4000	164	13.42847	18.68951	2202.269	0.038	180	-0.23237	0.3535	18	
DISSOLVED-SOLID	500	NITRITE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	28	1094.607	814.2085	30649	517	4000	805	0.029575	0.140689	23.808	0.01	2.9	0.38899	0.0408	28	*
DISSOLVED-SOLID	500	NITRITE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	PH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	28	1094.607	814.2085	30649	517	4000	2390	5.851039	0.823241	13984	3	11.3	0.38638	0.0423	28	*
DISSOLVED-SOLID	500	RADIUM-226	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADIUM-226	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADIUM-226	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	28	1094.607	814.2085	30649	517	4000	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADON	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	28	1094.607	814.2085	30649	517	4000	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
DISSOLVED-SOLID	500	SELENIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	28	1094.607	814.2085	30649	517	4000	57	1	0	57	1	1	#N/A	#N/A	5	
DISSOLVED-SOLID	500	SELENIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	SULFATE	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	28	1094.607	814.2085	30649	517	4000	1143	15.11214	20.20626	17273	0.1	500	-0.12899	0.513	28	
DISSOLVED-SOLID	500	THALLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	THALLIUM	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	TURBIDITY	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	28	1094.607	814.2085	30649	517	4000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
DISSOLVED-SOLID	500	URANIUM-235	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	URANIUM-238	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	28	1094.607	814.2085	30649	517	4000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	WELL-DEPTH	GROUND WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	28	1094.607	814.2085	30649	517	4000	3055	80.69675	86.32936	246529	1.5	1000	-0.02561	0.9033	25	
HARDNESS	0	ALKALINITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	933	94.67899	176.9992	88336	3	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	0	CONDUCTANCE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	933	94.67899	176.9992	88336	3	2500	2444	191.2581	235.3253	467435	20	6070	0.90826	0.0001	737	*
HARDNESS	0	DEPTH-BELOW-LAN	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	933	94.67899	176.9992	88336	3	2500	296	140105	2410103	41470995	1.22	41465000	0.02616	0.7103	204	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
HARDNESS	0	DISSOLVED-OXYGE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	933	94.67899	176.9992	88336	3	2500	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.17813	0.0001	539	*
HARDNESS	0	PH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	933	94.67899	176.9992	88336	3	2500	2390	5.851039	0.823241	13984	3	11.3	0.13667	0.0001	806	*
HARDNESS	0	TURBIDITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00076	TURBIDITY-P00076-(NTU)	933	94.67899	176.9992	88336	3	2500	294	21.29973	107.3283	6262.12	0.1	1000	0.00331	0.9558	282	
HARDNESS	0	WELL-DEPTH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	933	94.67899	176.9992	88336	3	2500	3055	80.69675	86.32936	246529	1.5	1000	-0.02121	0.5326	888	
HARDNESS	300	ALKALINITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	ANTIMONY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	48	727.0833	353.5712	34900	320	2500	54	1	0	54	1	1	#N/A	#N/A	0	
HARDNESS	300	ANTIMONY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	ARSENIC	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	48	727.0833	353.5712	34900	320	2500	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
HARDNESS	300	ARSENIC	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	48	727.0833	353.5712	34900	320	2500	21	165.381	218.782	3473	1	710	0.78448	0.1161	5	
HARDNESS	300	BARIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	48	727.0833	353.5712	34900	320	2500	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
HARDNESS	300	BARIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	BARIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	BERYLLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	48	727.0833	353.5712	34900	320	2500	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
HARDNESS	300	BERYLLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	CADMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	48	727.0833	353.5712	34900	320	2500	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
HARDNESS	300	CADMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	CHROMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	48	727.0833	353.5712	34900	320	2500	381	76.9874	1398.35	29332	1	27300	0.80244	0.1022	5	
HARDNESS	300	CHROMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	CHROMIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	CONDUCTANCE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	48	727.0833	353.5712	34900	320	2500	2444	191.2581	235.3253	467435	20	6070	0.89044	0.0001	13	*
HARDNESS	300	CYANIDE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	48	727.0833	353.5712	34900	320	2500	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
HARDNESS	300	CYANIDE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	DEPTH-BELOW-LAN	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019 (FEET)	48	727.0833	353.5712	34900	320	2500	296	140105	2410103	41470995	1.22	41465000	-0.42723	0.339	7	
HARDNESS	300	DISSOLVED-OXYGE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	48	727.0833	353.5712	34900	320	2500	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.69409	0.0001	33	*
HARDNESS	300	DISSOLVED-SOLID	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	48	727.0833	353.5712	34900	320	2500	718	165.5272	259.2981	118849	17	4000	0.61785	0.0006	27	*
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	48	727.0833	353.5712	34900	320	2500	157	6095.796	15060	957040	10	86000	-0.16964	0.7161	7	
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	48	727.0833	353.5712	34900	320	2500	1368	841.5009	4078.394	1151173	3	59600	-0.14488	0.6368	13	
HARDNESS	300	IRON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01047	IRON-FERROUS-P01047-(UG/L)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	MANGANESE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	MANGANESE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	48	727.0833	353.5712	34900	320	2500	157	504.8631	1439.597	79264	10	12000	-0.19887	0.669	7	
HARDNESS	300	MANGANESE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	48	727.0833	353.5712	34900	320	2500	1300	746.6604	1671.579	970659	1	13000	-0.29811	0.3225	13	
HARDNESS	300	MERCURY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	MERCURY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	NICKEL	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	48	727.0833	353.5712	34900	320	2500	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
HARDNESS	300	NICKEL	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	NITRATE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	48	727.0833	353.5712	34900	320	2500	164	13.42847	18.68951	2202.269	0.038	180	0.20593	0.2282	36	
HARDNESS	300	NITRITE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	48	727.0833	353.5712	34900	320	2500	805	0.029575	0.140689	23.808	0.01	2.9	0.86025	0.0001	46	*
HARDNESS	300	NITRITE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	PH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	48	727.0833	353.5712	34900	320	2500	2390	5.851039	0.823241	13984	3	11.3	-0.06279	0.6856	44	
HARDNESS	300	RADIUM-226	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	RADIUM-226	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
HARDNESS	300	RADIUM-226	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	RADON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P76002	RADON 222-PE-P76002-(PCI/L)	48	727.0833	353.5712	34900	320	2500	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
HARDNESS	300	RADON	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	48	727.0833	353.5712	34900	320	2500	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
HARDNESS	300	SELENIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	48	727.0833	353.5712	34900	320	2500	57	1	0	57	1	1	#N/A	#N/A	5	
HARDNESS	300	SELENIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	SULFATE	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	48	727.0833	353.5712	34900	320	2500	1143	15.11214	20.20626	17273	0.1	500	-0.04861	0.7512	45	
HARDNESS	300	THALLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	THALLIUM	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	TURBIDITY	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00076	TURBIDITY-P00076-(NTU)	48	727.0833	353.5712	34900	320	2500	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
HARDNESS	300	URANIUM-235	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	URANIUM-238	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	48	727.0833	353.5712	34900	320	2500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	WELL-DEPTH	GROUND WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	48	727.0833	353.5712	34900	320	2500	3055	80.89675	86.32936	246529	1.5	1000	0.04028	0.7952	44	
IRON	0	ALKALINITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	ALKALINITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	ALKALINITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	ALKALINITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	CONDUCTANCE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
IRON	0	CONDUCTANCE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	157	6095.796	15060	957040	10	86000	2444	191.2581	235.3253	467435	20	6070	0.28963	0.0737	39	
IRON	0	CONDUCTANCE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1368	841.5009	4078.394	1151173	3	59600	2444	191.2581	235.3253	467435	20	6070	0.26139	0.0001	1043	*
IRON	0	CONDUCTANCE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	157	6095.796	15060	957040	10	86000	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1368	841.5009	4078.394	1151173	3	59600	296	140105	2410103	41470995	1.22	41465000	-0.1052	0.1323	206	
IRON	0	DEPTH-BELOW-LAN	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	157	6095.796	15060	957040	10	86000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.34661	0.0561	31	
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1368	841.5009	4078.394	1151173	3	59600	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.0895	0.0135	762	*
IRON	0	DISSOLVED-OXYGE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	157	6095.796	15060	957040	10	86000	718	165.5272	259.2981	118849	17	4000	0.22113	0.1821	38	
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1368	841.5009	4078.394	1151173	3	59600	718	165.5272	259.2981	118849	17	4000	0.36228	0.0001	652	*
IRON	0	DISSOLVED-SOLID	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
IRON	0	HARDNESS	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
IRON	0	HARDNESS	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	157	6095.796	15060	957040	10	86000	933	94.67899	176.9992	88336	3	2500	0.28041	0.0004	155	*
IRON	0	HARDNESS	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1368	841.5009	4078.394	1151173	3	59600	933	94.67899	176.9992	88336	3	2500	0.24887	0.0001	732	*
IRON	0	HARDNESS	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	157	6095.796	15060	957040	10	86000	157	504.8631	1439.597	79264	10	12000	0.4788	0.0001	157	*
IRON	0	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	157	6095.796	15060	957040	10	86000	1300	746.6604	1671.579	970659	1	13000	0.06056	0.7737	25	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRE6	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1368	841.5009	4078.394	1151173	3	59600	157	504.8631	1439.597	79264	10	12000	0.36157	0.0757	25	
IRON	0	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1368	841.5009	4078.394	1151173	3	59600	1300	746.6604	1671.579	970659	1	13000	0.05273	0.0575	1298	
IRON	0	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
IRON	0	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	157	6095.796	15060	957040	10	86000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1368	841.5009	4078.394	1151173	3	59600	368	9.605978	2.167299	3535	1	20	0.03528	0.4999	368	
IRON	0	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	0	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	157	6095.796	15060	957040	10	86000	805	0.029575	0.140689	23.808	0.01	2.9	-0.11002	0.7205	13	
IRON	0	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1368	841.5009	4078.394	1151173	3	59600	805	0.029575	0.140689	23.808	0.01	2.9	-0.01544	0.6926	658	
IRON	0	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
IRON	0	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	PH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
IRON	0	PH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	157	6095.796	15060	957040	10	86000	2390	5.851039	0.823241	13984	3	11.3	0.16206	0.3243	39	
IRON	0	PH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1368	841.5009	4078.394	1151173	3	59600	2390	5.851039	0.823241	13984	3	11.3	0.12785	0.0001	1045	*
IRON	0	PH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	157	6095.796	15060	957040	10	86000	57	1	0	57	1	1	#N/A	#N/A	13	
IRON	0	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1368	841.5009	4078.394	1151173	3	59600	57	1	0	57	1	1	#N/A	#N/A	57	
IRON	0	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
IRON	0	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	157	6095.796	15060	957040	10	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1368	841.5009	4078.394	1151173	3	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	TURBIDITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	0	TURBIDITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	157	6095.796	15060	957040	10	86000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	0	TURBIDITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	1368	841.5009	4078.394	1151173	3	59600	294	21.29973	107.3283	6262.12	0.1	1000	0.07596	0.194	294	
IRON	0	TURBIDITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32936	246529	1.5	1000	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	157	6095.796	15060	957040	10	86000	3055	80.69675	88.32936	246529	1.5	1000	-0.36345	0.0001	144	*
IRON	0	WELL-DEPTH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	1368	841.5009	4078.394	1151173	3	59600	3055	80.69675	88.32936	246529	1.5	1000	-0.00382	0.8906	1300	
IRON	0	WELL-DEPTH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32936	246529	1.5	1000	#N/A	#N/A	0	
IRON	300	ALKALINITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ALKALINITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ALKALINITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ALKALINITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	62	15291	20928	948020	300	86000	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	128	8808.633	10414	1127505	310	59600	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
IRON	300	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
IRON	300	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	62	15291	20928	948020	300	86000	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
IRON	300	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	62	15291	20928	948020	300	86000	21	165.381	218.782	3473	1	710	0.88828	0.0001	14	*
IRON	300	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	128	8808.633	10414	1127505	310	59600	88	1.181818	1.119785	104	1	11	-0.48095	0.4121	5	
IRON	300	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	128	8808.633	10414	1127505	310	59600	21	165.381	218.782	3473	1	710	0.45624	0.1851	10	
IRON	300	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
IRON	300	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	62	15291	20928	948020	300	86000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	128	8808.633	10414	1127505	310	59600	384	24.11328	50.57306	9259.5	2	420	0.32855	0.0471	37	*
IRON	300	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	62	15291	20928	948020	300	86000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	128	8808.633	10414	1127505	310	59600	384	0.55182	0.15157	211.9	0.5	1.5	-0.0834	0.6236	37	
IRON	300	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
IRON	300	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	62	15291	20928	948020	300	86000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	128	8808.633	10414	1127505	310	59600	384	1.102865	0.423484	423.5	1	5	0.69971	0.0001	37	*
IRON	300	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
IRON	300	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	62	15291	20928	948020	300	86000	381	76.9874	1398.35	29332	1	27300	0.09041	0.7799	12	
IRON	300	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	128	8808.633	10414	1127505	310	59600	381	76.9874	1398.35	29332	1	27300	-0.09958	0.5202	44	
IRON	300	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CONDUCTANCE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
IRON	300	CONDUCTANCE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	62	15291	20928	948020	300	86000	2444	191.2581	235.3253	467435	20	6070	0.25022	0.1535	34	
IRON	300	CONDUCTANCE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	128	8808.633	10414	1127505	310	59600	2444	191.2581	235.3253	467435	20	6070	0.22419	0.0257	99	*
IRON	300	CONDUCTANCE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	62	15291	20928	948020	300	86000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	128	8808.633	10414	1127505	310	59600	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	300	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	62	15291	20928	948020	300	86000	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	128	8808.633	10414	1127505	310	59600	296	140105	2410103	41470995	1.22	41465000	-0.19052	0.5141	14	
IRON	300	DEPTH-BELOW-LAN	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	62	15291	20928	948020	300	86000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.30325	0.1241	27	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	128	8808.633	10414	1127505	310	59600	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.18259	0.2193	47	
IRON	300	DISSOLVED-OXYGE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	62	15291	20928	948020	300	86000	718	165.5272	259.2981	118849	17	4000	0.18118	0.313	33	
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	128	8808.633	10414	1127505	310	59600	718	165.5272	259.2981	118849	17	4000	0.30704	0.0078	74	*
IRON	300	DISSOLVED-SOLID	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
IRON	300	HARDNESS	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
IRON	300	HARDNESS	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	62	15291	20928	948020	300	86000	933	94.67899	176.9992	88336	3	2500	0.2366	0.0641	62	
IRON	300	HARDNESS	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	128	8808.633	10414	1127505	310	59600	933	94.67899	176.9992	88336	3	2500	0.20544	0.075	76	
IRON	300	HARDNESS	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	62	15291	20928	948020	300	86000	157	504.8631	1439.597	79264	10	12000	0.34991	0.0053	62	*
IRON	300	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	62	15291	20928	948020	300	86000	1300	746.6604	1671.579	970659	1	13000	-0.13432	0.5724	20	
IRON	300	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	128	8808.633	10414	1127505	310	59600	157	504.8631	1439.597	79264	10	12000	0.04387	0.8822	14	
IRON	300	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	128	8808.633	10414	1127505	310	59600	1300	746.6604	1671.579	970659	1	13000	0.2569	0.0036	127	*
IRON	300	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
IRON	300	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	62	15291	20928	948020	300	86000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	128	8808.633	10414	1127505	310	59600	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	34	
IRON	300	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	300	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NITRATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
IRON	300	NITRATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	62	15291	20928	948020	300	86000	164	13.42847	18.68951	2202.269	0.038	180	-0.77436	0.4361	3	
IRON	300	NITRATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	128	8808.633	10414	1127505	310	59600	164	13.42847	18.68951	2202.269	0.038	180	-0.37696	0.3573	8	
IRON	300	NITRATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	62	15291	20928	948020	300	86000	805	0.029575	0.140689	23.808	0.01	2.9	-0.16181	0.6154	12	
IRON	300	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	128	8808.633	10414	1127505	310	59600	805	0.029575	0.140689	23.808	0.01	2.9	-0.07171	0.5466	73	
IRON	300	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
IRON	300	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	PH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
IRON	300	PH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	62	15291	20928	948020	300	86000	2390	5.851039	0.823241	13984	3	11.3	0.19458	0.2701	34	
IRON	300	PH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	128	8808.633	10414	1127505	310	59600	2390	5.851039	0.823241	13984	3	11.3	0.23291	0.0203	99	*
IRON	300	PH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	62	15291	20928	948020	300	86000	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	62	15291	20928	948020	300	86000	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	1	
IRON	300	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	128	8808.633	10414	1127505	310	59600	29	52.72414	24.31034	1529	20	120	1	#N/A	2	
IRON	300	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	128	8808.633	10414	1127505	310	59600	58	5779.828	8104.887	335230	200	39000	1	#N/A	2	
IRON	300	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	300	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	62	15291	20928	948020	300	86000	57	1	0	57	1	1	#N/A	#N/A	12	
IRON	300	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	128	8808.633	10414	1127505	310	59600	57	1	0	57	1	1	#N/A	#N/A	10	
IRON	300	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
IRON	300	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	SULFATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
IRON	300	SULFATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	62	15291	20928	948020	300	86000	1143	15.11214	20.20626	17273	0.1	500	-0.07022	0.6978	33	
IRON	300	SULFATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	128	8808.633	10414	1127505	310	59600	1143	15.11214	20.20626	17273	0.1	500	0.05454	0.5769	107	
IRON	300	SULFATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	TURBIDITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	300	TURBIDITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	62	15291	20928	948020	300	86000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	300	TURBIDITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	128	8808.633	10414	1127505	310	59600	294	21.29973	107.3283	6262.12	0.1	1000	-0.18069	0.3223	32	
IRON	300	TURBIDITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	300	URANIUM-235	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-235	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-235	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-235	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	62	15291	20928	948020	300	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	128	8808.633	10414	1127505	310	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32936	246529	1.5	1000	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	62	15291	20928	948020	300	86000	3055	80.69675	88.32936	246529	1.5	1000	-0.37838	0.0044	55	*
IRON	300	WELL-DEPTH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	128	8808.633	10414	1127505	310	59600	3055	80.69675	88.32936	246529	1.5	1000	-0.16859	0.0692	117	
IRON	300	WELL-DEPTH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32936	246529	1.5	1000	#N/A	#N/A	0	
IRON	2500	ALKALINITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ALKALINITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ALKALINITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ALKALINITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	39	23921	22293	932900	2500	86000	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	81	13315	10769	1078550	2600	59600	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	39	23921	22293	932900	2500	86000	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	39	23921	22293	932900	2500	86000	21	165.381	218.782	3473	1	710	0.87378	0.0002	12	*
IRON	2500	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	81	13315	10769	1078550	2600	59600	88	1.181818	1.119785	104	1	11	#N/A	#N/A	2	
IRON	2500	ARSENIC	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	81	13315	10769	1078550	2600	59600	21	165.381	218.782	3473	1	710	0.9724	0.0001	9	*
IRON	2500	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
IRON	2500	ARSENIC	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	39	23921	22293	932900	2500	86000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	81	13315	10769	1078550	2600	59600	384	24.11328	50.57306	9259.5	2	420	0.30551	0.2034	19	
IRON	2500	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	39	23921	22293	932900	2500	86000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	81	13315	10769	1078550	2600	59600	384	0.55182	0.15157	211.9	0.5	1.5	-0.14221	0.5614	19	
IRON	2500	BERYLLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	39	23921	22293	932900	2500	86000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	81	13315	10769	1078550	2600	59600	384	1.102865	0.423484	423.5	1	5	0.69074	0.0011	19	*
IRON	2500	CADMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
IRON	2500	CADMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	39	23921	22293	932900	2500	86000	381	76.9874	1398.35	29332	1	27300	0.00339	0.9926	10	
IRON	2500	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	81	13315	10769	1078550	2600	59600	381	76.9874	1398.35	29332	1	27300	0.4854	0.0119	26	*
IRON	2500	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	39	23921	22293	932900	2500	86000	2444	191.2581	235.3253	467435	20	6070	0.20379	0.2801	30	
IRON	2500	CONDUCTANCE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	81	13315	10769	1078550	2600	59600	2444	191.2581	235.3253	467435	20	6070	0.6707	0.0001	56	*
IRON	2500	CONDUCTANCE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	39	23921	22293	932900	2500	86000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	81	13315	10769	1078550	2600	59600	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
IRON	2500	CYANIDE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	39	23921	22293	932900	2500	86000	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	81	13315	10769	1078550	2600	59600	296	140105	2410103	41470995	1.22	41465000	0.58324	0.2243	6	
IRON	2500	DEPTH-BELOW-LAN	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	39	23921	22293	932900	2500	86000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.322	0.134	23	
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	81	13315	10769	1078550	2600	59600	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.29264	0.2386	18	
IRON	2500	DISSOLVED-OXYGE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	39	23921	22293	932900	2500	86000	718	165.5272	259.2981	118849	17	4000	0.13441	0.487	29	
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	81	13315	10769	1078550	2600	59600	718	165.5272	259.2981	118849	17	4000	0.79679	0.0001	37	*
IRON	2500	DISSOLVED-SOLID	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
IRON	2500	HARDNESS	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
IRON	2500	HARDNESS	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	39	23921	22293	932900	2500	86000	933	94.67899	176.9992	88336	3	2500	0.29056	0.0727	39	
IRON	2500	HARDNESS	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	81	13315	10769	1078550	2600	59600	933	94.67899	176.9992	88336	3	2500	0.7126	0.0001	38	*
IRON	2500	HARDNESS	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	MANGANESE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	39	23921	22293	932900	2500	86000	157	504.8631	1439.597	79264	10	12000	0.17112	0.2976	39	
IRON	2500	MANGANESE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	39	23921	22293	932900	2500	86000	1300	746.6604	1671.579	970659	1	13000	-0.28367	0.254	18	
IRON	2500	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	81	13315	10769	1078550	2600	59600	157	504.8631	1439.597	79264	10	12000	-0.73563	0.0239	9	*
IRON	2500	MANGANESE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	81	13315	10769	1078550	2600	59600	1300	746.6604	1671.579	970659	1	13000	0.2619	0.0189	80	*
IRON	2500	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
IRON	2500	MANGANESE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MERCURY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	39	23921	22293	932900	2500	86000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	81	13315	10769	1078550	2600	59600	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	17	
IRON	2500	NICKEL	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
IRON	2500	NICKEL	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NITRATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
IRON	2500	NITRATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	39	23921	22293	932900	2500	86000	164	13.42847	18.68951	2202.269	0.038	180	-0.77436	0.4361	3	
IRON	2500	NITRATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	81	13315	10769	1078550	2600	59600	164	13.42847	18.68951	2202.269	0.038	180	-0.4652	0.5348	4	
IRON	2500	NITRATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	39	23921	22293	932900	2500	86000	805	0.029575	0.140689	23.808	0.01	2.9	-0.36155	0.3046	10	
IRON	2500	NITRITE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	81	13315	10769	1078550	2600	59600	805	0.029575	0.140689	23.808	0.01	2.9	0.00192	0.9907	39	
IRON	2500	NITRITE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
IRON	2500	NITRITE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	PH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
IRON	2500	PH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	39	23921	22293	932900	2500	86000	2390	5.851039	0.823241	13984	3	11.3	0.1492	0.4313	30	
IRON	2500	PH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	81	13315	10769	1078550	2600	59600	2390	5.851039	0.823241	13984	3	11.3	0.491	0.0001	56	*
IRON	2500	PH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	39	23921	22293	932900	2500	86000	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	39	23921	22293	932900	2500	86000	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	81	13315	10769	1078550	2600	59600	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	81	13315	10769	1078550	2600	59600	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
IRON	2500	RADON	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	39	23921	22293	932900	2500	86000	57	1	0	57	1	1	#N/A	#N/A	10	
IRON	2500	SELENIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	81	13315	10769	1078550	2600	59600	57	1	0	57	1	1	#N/A	#N/A	9	
IRON	2500	SELENIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	SULFATE	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
IRON	2500	SULFATE	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	39	23921	22293	932900	2500	86000	1143	15.11214	20.20626	17273	0.1	500	-0.05106	0.7925	29	
IRON	2500	SULFATE	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	81	13315	10769	1078550	2600	59600	1143	15.11214	20.20626	17273	0.1	500	0.05892	0.6492	62	
IRON	2500	SULFATE	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	TURBIDITY	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	2500	TURBIDITY	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	39	23921	22293	932900	2500	86000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	TURBIDITY	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	81	13315	10769	1078550	2600	59600	294	21.29973	107.3283	6262.12	0.1	1000	-0.24216	0.3662	16	
IRON	2500	TURBIDITY	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
IRON	2500	URANIUM-235	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-235	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-235	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-235	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	39	23921	22293	932900	2500	86000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	81	13315	10769	1078550	2600	59600	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	GROUND WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	GROUND WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	39	23921	22293	932900	2500	86000	3055	80.69675	86.32936	246529	1.5	1000	-0.36336	0.0377	33	*
IRON	2500	WELL-DEPTH	GROUND WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	81	13315	10769	1078550	2600	59600	3055	80.69675	86.32936	246529	1.5	1000	-0.18475	0.1203	72	
IRON	2500	WELL-DEPTH	GROUND WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	CONDUCTANCE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
MANGANESE	0	CONDUCTANCE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	157	504.8631	1439.597	79264	10	12000	2444	191.2581	235.3253	467435	20	6070	0.13143	0.4252	39	
MANGANESE	0	CONDUCTANCE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1300	746.6604	1671.579	970659	1	13000	2444	191.2581	235.3253	467435	20	6070	0.08855	0.0055	980	*
MANGANESE	0	DEPTH-BELOW-LAN	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MANGANESE	0	DEPTH-BELOW-LAN	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	157	504.8631	1439.597	79264	10	12000	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MANGANESE	0	DEPTH-BELOW-LAN	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1300	746.6604	1671.579	970659	1	13000	296	140105	2410103	41470995	1.22	41465000	-0.18989	0.0063	206	*
MANGANESE	0	DISSOLVED-OXYGE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.92028	4.11226	5604.2	0.1	16.1	#N/A	#N/A	0	
MANGANESE	0	DISSOLVED-OXYGE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	157	504.8631	1439.597	79264	10	12000	1139	4.92028	4.11226	5604.2	0.1	16.1	-0.42594	0.0169	31	*
MANGANESE	0	DISSOLVED-OXYGE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1300	746.6604	1671.579	970659	1	13000	1139	4.92028	4.11226	5604.2	0.1	16.1	-0.32083	0.0001	706	*
MANGANESE	0	DISSOLVED-SOLID	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
MANGANESE	0	DISSOLVED-SOLID	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	157	504.8631	1439.597	79264	10	12000	718	165.5272	259.2981	118849	17	4000	0.10881	0.5155	38	
MANGANESE	0	DISSOLVED-SOLID	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1300	746.6604	1671.579	970659	1	13000	718	165.5272	259.2981	118849	17	4000	0.11911	0.0023	652	*
MANGANESE	0	HARDNESS	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
MANGANESE	0	HARDNESS	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	157	504.8631	1439.597	79264	10	12000	933	94.67899	176.9992	88336	3	2500	0.24098	0.0025	155	*
MANGANESE	0	HARDNESS	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1300	746.6604	1671.579	970659	1	13000	933	94.67899	176.9992	88336	3	2500	0.05667	0.1437	667	
MANGANESE	0	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
MANGANESE	0	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	157	504.8631	1439.597	79264	10	12000	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
MANGANESE	0	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	0	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1300	746.6604	1671.579	970659	1	13000	368	9.60598	2.1873	3535	1	20	-0.10056	0.0539	368	
MANGANESE	0	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.02958	0.14069	23.808	0.01	2.9	#N/A	#N/A	0	
MANGANESE	0	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	157	504.8631	1439.597	79264	10	12000	805	0.02958	0.14069	23.808	0.01	2.9	0.22859	0.4525	13	
MANGANESE	0	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1300	746.6604	1671.579	970659	1	13000	805	0.02958	0.14069	23.808	0.01	2.9	-0.01379	0.7296	631	
MANGANESE	0	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	PH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.85104	0.82324	13984	3	11.3	#N/A	#N/A	0	
MANGANESE	0	PH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	157	504.8631	1439.597	79264	10	12000	2390	5.85104	0.82324	13984	3	11.3	0.05819	0.7249	39	
MANGANESE	0	PH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1300	746.6604	1671.579	970659	1	13000	2390	5.85104	0.82324	13984	3	11.3	0.00325	0.9189	982	
MANGANESE	0	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
MANGANESE	0	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	157	504.8631	1439.597	79264	10	12000	57	1	0	57	1	1	#N/A	#N/A	13	
MANGANESE	0	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1300	746.6604	1671.579	970659	1	13000	57	1	0	57	1	1	#N/A	#N/A	57	
MANGANESE	0	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	157	504.8631	1439.597	79264	10	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1300	746.6604	1671.579	970659	1	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	TURBIDITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MANGANESE	0	TURBIDITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	157	504.8631	1439.597	79264	10	12000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MANGANESE	0	TURBIDITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	1300	746.6604	1671.579	970659	1	13000	294	21.29973	107.3283	6262.12	0.1	1000	-0.02142	0.7145	294	
MANGANESE	0	WELL-DEPTH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
MANGANESE	0	WELL-DEPTH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	157	504.8631	1439.597	79264	10	12000	3055	80.69675	86.32936	246529	1.5	1000	-0.27206	0.001	144	*
MANGANESE	0	WELL-DEPTH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	1300	746.6604	1671.579	970659	1	13000	3055	80.69675	86.32936	246529	1.5	1000	-0.09538	0.0008	1236	*
MANGANESE	50	ALKALINITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	70	1113.8	2001.639	77966	57	12000	54	1	0	54	1	1	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	677	1421.586	2101.714	962414	50	13000	54	1	0	54	1	1	#N/A	#N/A	19	
MANGANESE	50	ANTIMONY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.18182	1.11979	104	1	11	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	70	1113.8	2001.639	77966	57	12000	88	1.18182	1.11979	104	1	11	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	70	1113.8	2001.639	77966	57	12000	21	165.381	218.782	3473	1	710	-0.18667	0.5053	15	

Appendix F-threshold: Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	ARSENIC	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	677	1421.586	2101.714	962414	50	13000	88	1.18182	1.11979	104	1	11	-0.14318	0.4948	25	
MANGANESE	50	ARSENIC	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	677	1421.586	2101.714	962414	50	13000	21	165.381	218.782	3473	1	710	-0.28792	0.3906	11	
MANGANESE	50	BARIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	70	1113.8	2001.639	77966	57	12000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	677	1421.586	2101.714	962414	50	13000	384	24.11328	50.57306	9259.5	2	420	0.41222	0.0001	126	*
MANGANESE	50	BARIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	70	1113.8	2001.639	77966	57	12000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	677	1421.586	2101.714	962414	50	13000	384	0.55182	0.15157	211.9	0.5	1.5	0.41055	0.0001	126	*
MANGANESE	50	BERYLLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.10286	0.42348	423.5	1	5	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	70	1113.8	2001.639	77966	57	12000	384	1.10286	0.42348	423.5	1	5	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	677	1421.586	2101.714	962414	50	13000	384	1.10286	0.42348	423.5	1	5	0.04238	0.6375	126	
MANGANESE	50	CADMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	70	1113.8	2001.639	77966	57	12000	381	76.9874	1398.35	29332	1	27300	-0.24218	0.4482	12	
MANGANESE	50	CHROMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	677	1421.586	2101.714	962414	50	13000	381	76.9874	1398.35	29332	1	27300	-0.17911	0.0415	130	*
MANGANESE	50	CHROMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CONDUCTANCE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
MANGANESE	50	CONDUCTANCE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	70	1113.8	2001.639	77966	57	12000	2444	191.2581	235.3253	467435	20	6070	0.09276	0.6018	34	
MANGANESE	50	CONDUCTANCE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	677	1421.586	2101.714	962414	50	13000	2444	191.2581	235.3253	467435	20	6070	0.11542	0.0142	451	*
MANGANESE	50	CYANIDE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	70	1113.8	2001.639	77966	57	12000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	677	1421.586	2101.714	962414	50	13000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	4	
MANGANESE	50	CYANIDE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	DEPTH-BELOW-LAN	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019 (FEET)	70	1113.8	2001.639	77966	57	12000	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019 (FEET)	677	1421.586	2101.714	962414	50	13000	296	140105	2410103	41470995	1.22	41465000	-0.06119	0.631	64	
MANGANESE	50	DISSOLVED-OXYGE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.92028	4.11226	5604.2	0.1	16.1	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-OXYGE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	70	1113.8	2001.639	77966	57	12000	1139	4.92028	4.11226	5604.2	0.1	16.1	-0.39597	0.0409	27	*
MANGANESE	50	DISSOLVED-OXYGE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	677	1421.586	2101.714	962414	50	13000	1139	4.92028	4.11226	5604.2	0.1	16.1	-0.19412	0.0003	347	*
MANGANESE	50	DISSOLVED-SOLID	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-SOLID	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	70	1113.8	2001.639	77966	57	12000	718	165.5272	259.2981	118849	17	4000	0.0735	0.6844	33	
MANGANESE	50	DISSOLVED-SOLID	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	677	1421.586	2101.714	962414	50	13000	718	165.5272	259.2981	118849	17	4000	0.17914	0.0083	216	*
MANGANESE	50	HARDNESS	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
MANGANESE	50	HARDNESS	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	70	1113.8	2001.639	77966	57	12000	933	94.67899	176.9992	88336	3	2500	0.26938	0.0241	70	*
MANGANESE	50	HARDNESS	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	677	1421.586	2101.714	962414	50	13000	933	94.67899	176.9992	88336	3	2500	0.08011	0.2324	224	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	70	1113.8	2001.639	77966	57	12000	157	6095.796	15060	957040	10	86000	0.3739	0.0014	70	*
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	70	1113.8	2001.639	77966	57	12000	1368	841.5009	4078.394	1151173	3	59600	0.27176	0.2464	20	
MANGANESE	50	IRON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	677	1421.586	2101.714	962414	50	13000	157	6095.796	15060	957040	10	86000	-0.2559	0.3388	16	
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	677	1421.586	2101.714	962414	50	13000	1368	841.5009	4078.394	1151173	3	59600	-0.0312	0.418	676	
MANGANESE	50	IRON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
MANGANESE	50	NICKEL	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	70	1113.8	2001.639	77966	57	12000	368	9.60598	2.1673	3535	1	20	#N/A	#N/A	0	
MANGANESE	50	NICKEL	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	677	1421.586	2101.714	962414	50	13000	368	9.60598	2.1673	3535	1	20	-0.23829	0.0091	119	*
MANGANESE	50	NICKEL	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	NITRATE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
MANGANESE	50	NITRATE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	70	1113.8	2001.639	77966	57	12000	164	13.42847	18.68951	2202.269	0.038	180	0.90104	0.2856	3	
MANGANESE	50	NITRATE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	677	1421.586	2101.714	962414	50	13000	164	13.42847	18.68951	2202.269	0.038	180	-0.0944	0.5764	37	
MANGANESE	50	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.02958	0.14069	23.808	0.01	2.9	#N/A	#N/A	0	
MANGANESE	50	NITRITE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	70	1113.8	2001.639	77966	57	12000	805	0.02958	0.14069	23.808	0.01	2.9	0.20886	0.5148	12	
MANGANESE	50	NITRITE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	677	1421.586	2101.714	962414	50	13000	805	0.02958	0.14069	23.808	0.01	2.9	-0.05707	0.4107	210	
MANGANESE	50	NITRITE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	PH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.85104	0.82324	13984	3	11.3	#N/A	#N/A	0	
MANGANESE	50	PH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	70	1113.8	2001.639	77966	57	12000	2390	5.85104	0.82324	13984	3	11.3	0.05891	0.7407	34	
MANGANESE	50	PH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	677	1421.586	2101.714	962414	50	13000	2390	5.85104	0.82324	13984	3	11.3	-0.01575	0.7384	452	
MANGANESE	50	RADIUM-226	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
MANGANESE	50	RADON	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.867	335230	200	39000	#N/A	#N/A	0	
MANGANESE	50	RADON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	70	1113.8	2001.639	77966	57	12000	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
MANGANESE	50	RADON	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	70	1113.8	2001.639	77966	57	12000	58	5779.828	8104.867	335230	200	39000	-1	#N/A	2	
MANGANESE	50	RADON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	677	1421.586	2101.714	962414	50	13000	29	52.72414	24.31034	1529	20	120	0.61268	0.3873	4	
MANGANESE	50	RADON	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	677	1421.586	2101.714	962414	50	13000	58	5779.828	8104.867	335230	200	39000	0.61221	0.3878	4	
MANGANESE	50	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	70	1113.8	2001.639	77966	57	12000	57	1	0	57	1	1	#N/A	#N/A	12	
MANGANESE	50	SELENIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	677	1421.586	2101.714	962414	50	13000	57	1	0	57	1	1	#N/A	#N/A	26	
MANGANESE	50	SELENIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	SULFATE	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11213	20.20626	17273	0.1	500	#N/A	#N/A	0	
MANGANESE	50	SULFATE	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	70	1113.8	2001.639	77966	57	12000	1143	15.11213	20.20626	17273	0.1	500	0.3345	0.0571	33	
MANGANESE	50	SULFATE	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	677	1421.586	2101.714	962414	50	13000	1143	15.11213	20.20626	17273	0.1	500	0.10382	0.0285	445	*
MANGANESE	50	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	TURBIDITY	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MANGANESE	50	TURBIDITY	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	70	1113.8	2001.639	77966	57	12000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MANGANESE	50	TURBIDITY	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	677	1421.586	2101.714	962414	50	13000	294	21.29973	107.3283	6262.12	0.1	1000	-0.08173	0.4286	96	
MANGANESE	50	URANIUM-235	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-235	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-235	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	URANIUM-238	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	70	1113.8	2001.639	77966	57	12000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	677	1421.586	2101.714	962414	50	13000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	GROUND WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	GROUND WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	70	1113.8	2001.639	77966	57	12000	3055	80.69675	86.32936	246529	1.5	1000	-0.29805	0.0177	63	*
MANGANESE	50	WELL-DEPTH	GROUND WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	677	1421.586	2101.714	962414	50	13000	3055	80.69675	86.32936	246529	1.5	1000	-0.13387	0.0006	656	*
MERCURY	0	CONDUCTANCE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
MERCURY	0	CONDUCTANCE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
MERCURY	0	DEPTH-BELOW-LAN	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MERCURY	0	DEPTH-BELOW-LAN	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MERCURY	0	DISSOLVED-OXYGE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
MERCURY	0	DISSOLVED-OXYGE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
MERCURY	0	DISSOLVED-SOLID	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
MERCURY	0	DISSOLVED-SOLID	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
MERCURY	0	HARDNESS	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
MERCURY	0	HARDNESS	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
MERCURY	0	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
MERCURY	0	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
MERCURY	0	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
MERCURY	0	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
MERCURY	0	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	PH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
MERCURY	0	PH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
MERCURY	0	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
MERCURY	0	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
MERCURY	0	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	TURBIDITY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MERCURY	0	TURBIDITY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MERCURY	0	WELL-DEPTH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
MERCURY	0	WELL-DEPTH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	ARSENIC	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
MERCURY	2	ARSENIC	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
MERCURY	2	ARSENIC	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
MERCURY	2	ARSENIC	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	BARIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CADMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
MERCURY	2	CADMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CADMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
MERCURY	2	CADMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CONDUCTANCE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
MERCURY	2	CONDUCTANCE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
MERCURY	2	CYANIDE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
MERCURY	2	CYANIDE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CYANIDE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
MERCURY	2	CYANIDE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	DEPTH-BELOW-LAN	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MERCURY	2	DEPTH-BELOW-LAN	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-OXYGE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-OXYGE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-SOLID	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-SOLID	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
MERCURY	2	HARDNESS	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
MERCURY	2	HARDNESS	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
MERCURY	2	IRON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	MANGANESE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
MERCURY	2	MANGANESE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
MERCURY	2	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
MERCURY	2	NICKEL	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
MERCURY	2	NICKEL	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	NITRATE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
MERCURY	2	NITRATE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
MERCURY	2	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
MERCURY	2	NITRITE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
MERCURY	2	NITRITE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	PH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
MERCURY	2	PH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
MERCURY	2	RADON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
MERCURY	2	RADON	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
MERCURY	2	RADON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
MERCURY	2	RADON	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
MERCURY	2	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
MERCURY	2	SELENIUM	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
MERCURY	2	SELENIUM	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	SULFATE	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
MERCURY	2	SULFATE	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
MERCURY	2	TURBIDITY	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MERCURY	2	TURBIDITY	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
MERCURY	2	WELL-DEPTH	GROUND WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
MERCURY	2	WELL-DEPTH	GROUND WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
NICKEL	0	ALKALINITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	368	9.605978	2.167299	3535	1	20	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	ALKALINITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	CONDUCTANCE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	368	9.605978	2.167299	3535	1	20	2444	191.2581	235.3253	467435	20	6070	-0.18602	0.0004	359	*
NICKEL	0	CONDUCTANCE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
NICKEL	0	DEPTH-BELOW-LAN		P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	368	9.605978	2.167299	3535	1	20	296	140105	2410103	41470995	1.22	41465000	0.16731	0.5848	13	
NICKEL	0	DEPTH-BELOW-LAN	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
NICKEL	0	DISSOLVED-OXYGE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	368	9.605978	2.167299	3535	1	20	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.46701	0.0001	167	*
NICKEL	0	DISSOLVED-OXYGE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
NICKEL	0	DISSOLVED-SOLID	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	368	9.605978	2.167299	3535	1	20	718	165.5272	259.2981	118849	17	4000	-0.17307	0.001	356	*
NICKEL	0	DISSOLVED-SOLID	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
NICKEL	0	HARDNESS	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	368	9.605978	2.167299	3535	1	20	933	94.67899	176.9992	88336	3	2500	-0.39208	0.0001	368	*

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	0	HARDNESS	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	ON/A	ON/A	ON/A	ON/A	ON/A	933	94.67899	176.9992	88336	3	2500	ON/A	ON/A	0	
NICKEL	0	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	368	9.605978	2.167299	3535	1	20	805	0.029575	0.140689	- 23.808	0.01	2.9	0.04585	0.4014	337	
NICKEL	0	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	368	9.605978	2.167299	3535	1	20	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	805	0.029575	0.140689	23.808	0.01	2.9	ON/A	ON/A	0	
NICKEL	0	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	PH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	368	9.605978	2.167299	3535	1	20	2390	5.851039	0.823241	13984	3	11.3	-0.15644	0.0029	361	*
NICKEL	0	PH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2390	5.851039	0.823241	13984	3	11.3	ON/A	ON/A	0	
NICKEL	0	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	368	9.605978	2.167299	3535	1	20	57	1	0	57	1	1	ON/A	ON/A	44	
NICKEL	0	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	368	9.605978	2.167299	3535	1	20	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	57	1	0	57	1	1	ON/A	ON/A	0	
NICKEL	0	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	THALLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	368	9.605978	2.167299	3535	1	20	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	THALLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	368	9.605978	2.167299	3535	1	20	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	THALLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	THALLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	0	TURBIDITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	368	9.605978	2.167299	3535	1	20	294	21.29973	107.3283	6262.12	0.1	1000	-0.02224	0.7101	282	
NICKEL	0	TURBIDITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	0	ON/A	ON/A	ON/A	ON/A	ON/A	294	21.29973	107.3283	6262.12	0.1	1000	ON/A	ON/A	0	
NICKEL	0	WELL-DEPTH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	368	9.605978	2.167299	3535	1	20	3055	80.69675	88.32936	246529	1.5	1000	0.14137	0.0106	326	*
NICKEL	0	WELL-DEPTH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	3055	80.69675	88.32936	246529	1.5	1000	ON/A	ON/A	0	
NICKEL	100	ANTIMONY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	ON/A	ON/A	ON/A	ON/A	ON/A	54	1	0	54	1	1	ON/A	ON/A	0	
NICKEL	100	ANTIMONY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	ANTIMONY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	ON/A	ON/A	ON/A	ON/A	ON/A	54	1	0	54	1	1	ON/A	ON/A	0	
NICKEL	100	ANTIMONY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	ARSENIC	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	88	1.181818	1.119785	104	1	11	ON/A	ON/A	0	
NICKEL	100	ARSENIC	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	21	165.381	218.782	3473	1	710	ON/A	ON/A	0	
NICKEL	100	ARSENIC	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	88	1.181818	1.119785	104	1	11	ON/A	ON/A	0	
NICKEL	100	ARSENIC	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	21	165.381	218.782	3473	1	710	ON/A	ON/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	24.11328	50.57306	9259.5	2	420	ON/A	ON/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	24.11328	50.57306	9259.5	2	420	ON/A	ON/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	BARIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	BERYLLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	0.55182	0.15157	211.9	0.5	1.5	ON/A	ON/A	0	
NICKEL	100	BERYLLIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	BERYLLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	0.55182	0.15157	211.9	0.5	1.5	ON/A	ON/A	0	
NICKEL	100	BERYLLIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	CADMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	1.102865	0.423484	423.5	1	5	ON/A	ON/A	0	
NICKEL	100	CADMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	CADMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	1.102865	0.423484	423.5	1	5	ON/A	ON/A	0	
NICKEL	100	CADMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	381	76.9874	1398.35	29332	1	27300	ON/A	ON/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	CHROMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CONDUCTANCE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
NICKEL	100	CONDUCTANCE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
NICKEL	100	CYANIDE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NICKEL	100	CYANIDE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CYANIDE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NICKEL	100	CYANIDE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	DEPTH-BELOW-LAN	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
NICKEL	100	DEPTH-BELOW-LAN	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-OXYGE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-OXYGE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-SOLID	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-SOLID	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
NICKEL	100	HARDNESS	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
NICKEL	100	HARDNESS	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
NICKEL	100	IRON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
NICKEL	100	MANGANESE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
NICKEL	100	NITRATE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
NICKEL	100	NITRATE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
NICKEL	100	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
NICKEL	100	NITRITE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
NICKEL	100	NITRITE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	PH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
NICKEL	100	PH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
NICKEL	100	RADON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	RADON	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
NICKEL	100	RADON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
NICKEL	100	RADON	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
NICKEL	100	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
NICKEL	100	SELENIUM	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
NICKEL	100	SELENIUM	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	SULFATE	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
NICKEL	100	SULFATE	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
NICKEL	100	TURBIDITY	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
NICKEL	100	TURBIDITY	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
NICKEL	100	WELL-DEPTH	GROUND WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
NICKEL	100	WELL-DEPTH	GROUND WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
NITRATE	0	ALKALINITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	164	13.42847	18.68951	2202.269	0.038	180	54	1	0	54	1	1	#N/A	#N/A	0	
NITRATE	0	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	164	13.42847	18.68951	2202.269	0.038	180	384	24.11328	50.57306	9259.5	2	420	0.60446	0.0008	27	*
NITRATE	0	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	164	13.42847	18.68951	2202.269	0.038	180	384	0.55182	0.15157	211.9	0.5	1.5	0.46559	0.0144	27	*
NITRATE	0	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	164	13.42847	18.68951	2202.269	0.038	180	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	27	
NITRATE	0	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	164	13.42847	18.68951	2202.269	0.038	180	381	76.9874	1398.35	29332	1	27300	-0.18948	0.3159	30	
NITRATE	0	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	CONDUCTANCE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	164	13.42847	18.68951	2202.269	0.038	180	2444	191.2581	235.3253	467435	20	6070	0.10458	0.3686	76	
NITRATE	0	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	164	13.42847	18.68951	2202.269	0.038	180	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NITRATE	0	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	DEPTH-BELOW-LAN	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	164	13.42847	18.68951	2202.269	0.038	180	296	140105	2410103	41470995	1.22	41465000	0.79575	0.0001	20	*
NITRATE	0	DISSOLVED-OXYGE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	164	13.42847	18.68951	2202.269	0.038	180	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.4039	0.0001	104	*
NITRATE	0	DISSOLVED-SOLID	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	164	13.42847	18.68951	2202.269	0.038	180	718	165.5272	259.2981	118849	17	4000	0.36569	0.0001	110	*
NITRATE	0	HARDNESS	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	164	13.42847	18.68951	2202.269	0.038	180	933	94.67899	176.9992	88336	3	2500	0.66275	0.0001	128	*
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	164	13.42847	18.68951	2202.269	0.038	180	157	8095.796	15060	957040	10	86000	-0.77436	0.4361	3	
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	164	13.42847	18.68951	2202.269	0.038	180	1368	841.5009	4078.394	1151173	3	59600	-0.15676	0.2017	68	
NITRATE	0	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	164	13.42847	18.68951	2202.269	0.038	180	157	504.8631	1439.597	79264	10	12000	0.90104	0.2856	3	
NITRATE	0	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	164	13.42847	18.68951	2202.269	0.038	180	1300	746.6604	1671.579	970659	1	13000	-0.04982	0.6912	66	
NITRATE	0	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	0	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	164	13.42847	18.68951	2202.269	0.038	180	368	9.605978	2.167299	3535	1	20	-0.10479	0.6029	27	
NITRATE	0	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	164	13.42847	18.68951	2202.269	0.038	180	805	0.029575	0.140669	23.808	0.01	2.9	-0.05374	0.4943	164	
NITRATE	0	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	PH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	164	13.42847	18.68951	2202.269	0.038	180	2390	5.851039	0.623241	13984	3	11.3	-0.32801	0.0001	147	*
NITRATE	0	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	164	13.42847	18.68951	2202.269	0.038	180	57	1	0	57	1	1	#N/A	#N/A	3	
NITRATE	0	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	TURBIDITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	164	13.42847	18.68951	2202.269	0.038	180	294	21.29973	107.3283	6262.12	0.1	1000	-0.4335	0.0239	27	*
NITRATE	0	URANIUM-235	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	URANIUM-238	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	164	13.42847	18.68951	2202.269	0.038	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	WELL-DEPTH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	164	13.42847	18.68951	2202.269	0.038	180	3055	80.69675	86.32938	246529	1.5	1000	-0.04011	0.6191	156	
NITRATE	6	ALKALINITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	76	26.63974	20.60915	2024.62	6.38	180	54	1	0	54	1	1	#N/A	#N/A	0	
NITRATE	6	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	76	26.63974	20.60915	2024.62	6.38	180	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
NITRATE	6	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	76	26.63974	20.60915	2024.62	6.38	180	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
NITRATE	6	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	76	26.63974	20.60915	2024.62	6.38	180	384	24.11328	50.57306	9259.5	2	420	0.16716	0.6036	12	
NITRATE	6	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	76	26.63974	20.60915	2024.62	6.38	180	384	0.55182	0.15157	211.9	0.5	1.5	0.46823	0.1073	12	
NITRATE	6	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	76	26.63974	20.60915	2024.62	6.38	180	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	12	
NITRATE	6	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	76	26.63974	20.60915	2024.62	6.38	180	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	12	
NITRATE	6	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	CONDUCTANCE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	76	26.63974	20.60915	2024.62	6.38	180	2444	191.2581	235.3253	467435	20	6070	0.95498	0.0001	23	*
NITRATE	6	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	76	26.63974	20.60915	2024.62	6.38	180	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NITRATE	6	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	DEPTH-BELOW-LAN	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	76	26.63974	20.60915	2024.62	6.38	180	296	140105	2410103	41470995	1.22	41485000	1	#N/A	2	
NITRATE	6	DISSOLVED-OXYGE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	76	26.63974	20.60915	2024.62	6.38	180	1139	4.920281	4.112258	5604.2	0.1	18.1	-0.37334	0.0115	45	*
NITRATE	6	DISSOLVED-SOLID	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	76	26.63974	20.60915	2024.62	6.38	180	718	165.5272	259.2981	118849	17	4000	0.462	0.0102	30	*
NITRATE	6	HARDNESS	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	76	26.63974	20.60915	2024.62	6.38	180	933	94.67699	176.9992	88336	3	2500	0.68402	0.0001	48	*
NITRATE	6	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	76	26.63974	20.60915	2024.62	6.38	180	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
NITRATE	6	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	76	26.63974	20.60915	2024.62	6.38	180	1368	841.5009	4078.394	1151173	3	59600	-0.17179	0.5247	16	
NITRATE	6	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	76	26.63974	20.60915	2024.62	6.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	6	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	76	26.63974	20.60915	2024.62	6.38	180	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
NITRATE	6	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	76	26.63974	20.60915	2024.62	6.38	180	1300	746.6604	1671.579	970659	1	13000	-0.08482	0.7546	16	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	8	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	76	26.63974	20.60915	2024.62	8.38	180	368	9.605978	2.167299	3535	1	20	-0.45392	0.1383	12	
NITRATE	8	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	76	26.63974	20.60915	2024.62	8.38	180	805	0.029575	0.140689	23.808	0.01	2.9	0.05498	0.6371	76	
NITRATE	8	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	PH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	76	26.63974	20.60915	2024.62	8.38	180	2390	5.851039	0.823241	13984	3	11.3	-0.24938	0.0451	65	*
NITRATE	8	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
NITRATE	8	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
NITRATE	8	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	76	26.63974	20.60915	2024.62	8.38	180	57	1	0	57	1	1	#N/A	#N/A	0	
NITRATE	8	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	SULFATE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	76	26.63974	20.60915	2024.62	8.38	180	1143	15.11214	20.20626	17273	0.1	500	-0.31753	0.0193	54	*
NITRATE	8	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	TURBIDITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	76	26.63974	20.60915	2024.62	8.38	180	294	21.29973	107.3283	6262.12	0.1	1000	0.31545	0.3179	12	
NITRATE	8	URANIUM-235	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	URANIUM-238	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	76	26.63974	20.60915	2024.62	8.38	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	WELL-DEPTH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	76	26.63974	20.60915	2024.62	8.38	180	3055	80.69675	88.32936	246529	1.5	1000	0.00705	0.9535	71	
NITRATE	10	ALKALINITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	72	27.62639	20.73406	1989.1	11	180	54	1	0	54	1	1	#N/A	#N/A	0	
NITRATE	10	ANTIMONY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	72	27.62639	20.73406	1989.1	11	180	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
NITRATE	10	ARSENIC	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	72	27.62639	20.73406	1989.1	11	180	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
NITRATE	10	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	72	27.62639	20.73406	1989.1	11	180	384	24.11328	50.57306	9259.5	2	420	-0.18738	0.6042	10	
NITRATE	10	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	BARIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	72	27.62639	20.73406	1989.1	11	180	384	0.55182	0.15157	211.9	0.5	1.5	0.43601	0.2078	10	
NITRATE	10	BERYLLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	72	27.62639	20.73406	1989.1	11	180	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	10	
NITRATE	10	CADMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	72	27.62639	20.73406	1989.1	11	180	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	10	
NITRATE	10	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	CHROMIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	CONDUCTANCE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	72	27.62639	20.73406	1989.1	11	180	2444	191.2581	235.3253	467435	20	6070	0.95575	0.0001	21	*
NITRATE	10	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	72	27.62639	20.73406	1989.1	11	180	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NITRATE	10	CYANIDE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	DEPTH-BELOW-LAN	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	72	27.62639	20.73406	1989.1	11	180	296	140105	2410103	41470995	1.22	41465000	1	#N/A	2	
NITRATE	10	DISSOLVED-OXYGE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	72	27.62639	20.73406	1989.1	11	180	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.48004	0.0013	42	*
NITRATE	10	DISSOLVED-SOLID	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	72	27.62639	20.73406	1989.1	11	180	718	165.5272	259.2981	118849	17	4000	0.43839	0.0222	27	*

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	10	HARDNESS	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	72	27.62639	20.73406	1989.1	11	180	933	94.67899	176.9992	88336	3	2500	0.72936	0.0001	44	*
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	72	27.62639	20.73406	1989.1	11	180	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	72	27.62639	20.73406	1989.1	11	180	1368	841.5009	4078.394	1151173	3	59600	-0.28334	0.3263	14	
NITRATE	10	IRON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	72	27.62639	20.73406	1989.1	11	180	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
NITRATE	10	MANGANESE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	72	27.62639	20.73406	1989.1	11	180	1300	746.6604	1671.579	970659	1	13000	-0.20519	0.4816	14	
NITRATE	10	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	MERCURY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	72	27.62639	20.73406	1989.1	11	180	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	10	
NITRATE	10	NICKEL	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	72	27.62639	20.73406	1989.1	11	180	805	0.029575	0.140689	23.808	0.01	2.9	0.13213	0.2685	72	
NITRATE	10	NITRITE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	PH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	72	27.62639	20.73406	1989.1	11	180	2390	5.851039	0.823241	13984	3	11.3	-0.23781	0.0627	62	
NITRATE	10	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	RADIUM-226	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
NITRATE	10	RADON	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
NITRATE	10	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	72	27.62639	20.73406	1989.1	11	180	57	1	0	57	1	1	#N/A	#N/A	0	
NITRATE	10	SELENIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	SULFATE	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	72	27.62639	20.73406	1989.1	11	180	1143	15.11214	20.20626	17273	0.1	500	-0.34441	0.0143	50	*
NITRATE	10	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	THALLIUM	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	TURBIDITY	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	72	27.62639	20.73406	1989.1	11	180	294	21.29973	107.3283	6262.12	0.1	1000	0.19275	0.5937	10	
NITRATE	10	URANIUM-235	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	URANIUM-238	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	72	27.62639	20.73406	1989.1	11	180	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	WELL-DEPTH	GROUND WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	72	27.62639	20.73406	1989.1	11	180	3055	80.69875	88.32936	246529	1.5	1000	0.0188	0.88	67	
NITRITE	0	ALKALINITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	805	0.029575	0.140689	23.808	0.01	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	ALKALINITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	CONDUCTANCE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	805	0.029575	0.140689	23.808	0.01	2.9	2444	191.2581	235.3253	467435	20	6070	0.17084	0.0001	679	*
NITRITE	0	CONDUCTANCE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
NITRITE	0	DEPTH-BELOW-LAN	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	805	0.029575	0.140689	23.808	0.01	2.9	296	140105	2410103	41470995	1.22	41465000	0.02547	0.7163	206	
NITRITE	0	DEPTH-BELOW-LAN	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
NITRITE	0	DISSOLVED-OXYGE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	805	0.029575	0.140689	23.808	0.01	2.9	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.17766	0.0001	484	*
NITRITE	0	DISSOLVED-OXYGE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
NITRITE	0	DISSOLVED-SOLID	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	805	0.029575	0.140689	23.808	0.01	2.9	718	165.5272	259.2981	118849	17	4000	0.11916	0.002	672	*
NITRITE	0	DISSOLVED-SOLID	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
NITRITE	0	HARDNESS	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	805	0.029575	0.140689	23.808	0.01	2.9	933	94.67899	176.9992	88336	3	2500	0.16722	0.0001	715	*
NITRITE	0	HARDNESS	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
NITRITE	0	PH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	805	0.029575	0.140689	23.808	0.01	2.9	2390	5.851039	0.823241	13984	3	11.3	0.32017	0.0001	760	*

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	0	PH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
NITRITE	0	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	805	0.029575	0.140689	23.808	0.01	2.9	57	1	0	57	1	1	#N/A	#N/A	26	
NITRITE	0	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	805	0.029575	0.140689	23.808	0.01	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
NITRITE	0	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	805	0.029575	0.140689	23.808	0.01	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	805	0.029575	0.140689	23.808	0.01	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	TURBIDITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	805	0.029575	0.140689	23.808	0.01	2.9	294	21.29973	107.3283	6262.12	0.1	1000	-0.03313	0.5795	282	
NITRITE	0	TURBIDITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
NITRITE	0	WELL-DEPTH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	805	0.029575	0.140689	23.808	0.01	2.9	3055	80.69675	86.32936	246529	1.5	1000	-0.06168	0.0921	747	
NITRITE	0	WELL-DEPTH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
NITRITE	1	ALKALINITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	ALKALINITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3	2.016667	0.860949	6.05	1.18	2.9	54	1	0	54	1	1	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	ARSENIC	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	3	2.016667	0.860949	6.05	1.18	2.9	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
NITRITE	1	ARSENIC	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3	2.016667	0.860949	6.05	1.18	2.9	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
NITRITE	1	ARSENIC	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
NITRITE	1	ARSENIC	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3	2.016667	0.860949	6.05	1.18	2.9	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3	2.01667	0.86095	6.05	1.18	2.9	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3	2.01667	0.86095	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3	2.016667	0.860949	6.05	1.18	2.9	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
NITRITE	1	CADMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3	2.016667	0.860949	6.05	1.18	2.9	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	CHROMIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CONDUCTANCE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3	2.016667	0.860949	6.05	1.18	2.9	2444	191.2581	235.3253	467435	20	6070	0.98981	0.091	3	
NITRITE	1	CONDUCTANCE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
NITRITE	1	CYANIDE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3	2.016667	0.860949	6.05	1.18	2.9	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NITRITE	1	CYANIDE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CYANIDE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
NITRITE	1	CYANIDE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	DEPTH-BELOW-LAN	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3	2.016667	0.860949	6.05	1.18	2.9	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
NITRITE	1	DEPTH-BELOW-LAN	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-OXYGE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3	2.016667	0.860949	6.05	1.18	2.9	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-OXYGE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-SOLID	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3	2.016667	0.860949	6.05	1.18	2.9	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
NITRITE	1	DISSOLVED-SOLID	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
NITRITE	1	HARDNESS	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3	2.016667	0.860949	6.05	1.18	2.9	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
NITRITE	1	HARDNESS	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3	2.016667	0.860949	6.05	1.18	2.9	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3	2.016667	0.860949	6.05	1.18	2.9	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
NITRITE	1	IRON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
NITRITE	1	IRON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3	2.01667	0.86095	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3	2.01667	0.86095	6.05	1.18	2.9	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3	2.01667	0.86095	6.05	1.18	2.9	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	
NITRITE	1	MANGANESE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
NITRITE	1	MANGANESE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MERCURY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	NICKEL	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3	2.016667	0.860949	6.05	1.18	2.9	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
NITRITE	1	NICKEL	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	NICKEL	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
NITRITE	1	NICKEL	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	NITRATE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	3	2.016667	0.860949	6.05	1.18	2.9	164	13.42847	18.68951	2202.269	0.038	180	-0.97906	0.1305	3	
NITRITE	1	NITRATE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
NITRITE	1	PH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3	2.016667	0.860949	6.05	1.18	2.9	2390	5.851039	0.823241	13984	3	11.3	0.58102	0.6053	3	
NITRITE	1	PH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	RADIUM-226	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
NITRITE	1	RADON	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
NITRITE	1	RADON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
NITRITE	1	RADON	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
NITRITE	1	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3	2.016667	0.860949	6.05	1.18	2.9	57	1	0	57	1	1	#N/A	#N/A	0	
NITRITE	1	SELENIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
NITRITE	1	SELENIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	SULFATE	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	3	2.016667	0.860949	6.05	1.18	2.9	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	1	
NITRITE	1	SULFATE	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	THALLIUM	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	3	2.016667	0.860949	6.05	1.18	2.9	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	3	2.016667	0.860949	6.05	1.18	2.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	WELL-DEPTH	GROUND WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	3	2.016667	0.860949	6.05	1.18	2.9	3055	80.69675	86.32936	246529	1.5	1000	0.04694	0.9701	3	
NITRITE	1	WELL-DEPTH	GROUND WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
PH	0	ALKALINITY	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2390	5.851039	0.823241	13984	3	11.3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
PH	0	CONDUCTANCE	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2390	5.851039	0.823241	13984	3	11.3	2444	191.2581	235.3253	467435	20	6070	0.15873	0.0001	2308	*
PH	0	DISSOLVED-OXYGE	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2390	5.851039	0.823241	13984	3	11.3	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.23248	0.0001	1115	*
PH	0	TURBIDITY	GROUND WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00076	TURBIDITY-P00076-(NTU)	2390	5.851039	0.823241	13984	3	11.3	294	21.29973	107.3283	6262.12	0.1	1000	0.24999	0.0001	294	*
RADIUM-226	0	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CONDUCTANCE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	0	CONDUCTANCE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	0	CONDUCTANCE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-OXYGE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-OXYGE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-OXYGE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-SOLID	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-SOLID	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	DISSOLVED-SOLID	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	0	HARDNESS	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	0	HARDNESS	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	0	HARDNESS	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	0	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	NITRATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	0	NITRATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	0	NITRATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	PH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	0	PH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	PH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	0	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	0	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	0	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	0	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	0	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	0	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	3	DEPTH-BELOW-LAN	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	3	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	PH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	3	PH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	3	PH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	3	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	3	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	3	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	3	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	3	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	

Appendix F-threshold. Region I (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	BERYLLIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	4	DEPTH-BELOW-LAN	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADIUM-226	4	IRON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	PH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	4	PH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	4	PH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADIUM-226	4	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	4	RADON	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	4	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	4	RADON	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	4	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
RADIUM-226	4	RADON	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	GROUND WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	GROUND WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	GROUND WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADON	0	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	29	52.72414	24.31034	1529	20	120	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	0	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	58	5779.828	8104.887	335230	200	39000	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	0	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	29	52.72414	24.31034	1529	20	120	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	58	5779.828	8104.887	335230	200	39000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	29	52.72414	24.31034	1529	20	120	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	0	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	58	5779.828	8104.887	335230	200	39000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	0	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	29	52.72414	24.31034	1529	20	120	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	0	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	58	5779.828	8104.887	335230	200	39000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	0	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	29	52.72414	24.31034	1529	20	120	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	0	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	58	5779.828	8104.887	335230	200	39000	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	0	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	29	52.72414	24.31034	1529	20	120	2444	191.2561	235.3253	467435	20	6070	-0.09028	0.6414	29	
RADON	0	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	58	5779.828	8104.887	335230	200	39000	2444	191.2561	235.3253	467435	20	6070	-0.14526	0.4522	29	
RADON	0	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	29	52.72414	24.31034	1529	20	120	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	58	5779.828	8104.887	335230	200	39000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	0	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	29	52.72414	24.31034	1529	20	120	296	140105	2410103	41470995	1.22	41465000	0.17456	0.5506	14	
RADON	0	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	58	5779.828	8104.887	335230	200	39000	296	140105	2410103	41470995	1.22	41465000	0.17321	0.5537	14	
RADON	0	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	29	52.72414	24.31034	1529	20	120	1139	4.920281	4.112258	5604.2	0.1	16.1	0.21345	0.2662	29	
RADON	0	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	58	5779.828	8104.887	335230	200	39000	1139	4.920281	4.112258	5604.2	0.1	16.1	0.29097	0.1257	29	
RADON	0	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	29	52.72414	24.31034	1529	20	120	718	165.5272	259.2981	118849	17	4000	-0.10188	0.599	29	
RADON	0	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	58	5779.828	8104.887	335230	200	39000	718	165.5272	259.2981	118849	17	4000	-0.16913	0.3805	29	
RADON	0	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	29	52.72414	24.31034	1529	20	120	933	94.67899	176.9992	88336	3	2500	-0.06226	0.7483	29	
RADON	0	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	58	5779.828	8104.887	335230	200	39000	933	94.67899	176.9992	88336	3	2500	-0.2146	0.1957	38	
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	29	52.72414	24.31034	1529	20	120	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	29	52.72414	24.31034	1529	20	120	1368	841.5009	4078.394	1151173	3	59600	0.03497	0.8571	29	
RADON	0	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	58	5779.828	8104.887	335230	200	39000	157	6095.796	15060	957040	10	86000	0.651	0.0576	9	
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	58	5779.828	8104.887	335230	200	39000	1368	841.5009	4078.394	1151173	3	59600	0.06218	0.7487	29	
RADON	0	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	29	52.72414	24.31034	1529	20	120	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	29	52.72414	24.31034	1529	20	120	1300	746.6604	1671.579	970659	1	13000	-0.20297	0.291	29	
RADON	0	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	58	5779.828	8104.887	335230	200	39000	157	504.8631	1439.597	79264	10	12000	0.39359	0.2946	9	
RADON	0	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	58	5779.828	8104.887	335230	200	39000	1300	746.6604	1671.579	970659	1	13000	-0.15445	0.4237	29	
RADON	0	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	29	52.72414	24.31034	1529	20	120	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	0	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	58	5779.828	8104.887	335230	200	39000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	0	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	29	52.72414	24.31034	1529	20	120	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
RADON	0	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	58	5779.828	8104.887	335230	200	39000	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
RADON	0	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	29	52.72414	24.31034	1529	20	120	805	0.029575	0.140689	23.808	0.01	2.9	-0.15604	0.4189	29	
RADON	0	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	58	5779.828	8104.887	335230	200	39000	805	0.029575	0.140689	23.808	0.01	2.9	-0.12777	0.5089	29	
RADON	0	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	29	52.72414	24.31034	1529	20	120	2390	5.851039	0.823241	13984	3	11.3	-0.19087	0.3213	29	
RADON	0	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	58	5779.828	8104.887	335230	200	39000	2390	5.851039	0.823241	13984	3	11.3	-0.23506	0.2197	29	
RADON	0	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	29	52.72414	24.31034	1529	20	120	57	1	0	57	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	58	5779.828	8104.887	335230	200	39000	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	0	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	29	52.72414	24.31034	1529	20	120	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	0	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	58	5779.828	8104.887	335230	200	39000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	0	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	29	52.72414	24.31034	1529	20	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	29	52.72414	24.31034	1529	20	120	3055	80.69675	86.32936	246529	1.5	1000	-0.22508	0.2404	29	
RADON	0	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	58	5779.828	8104.887	335230	200	39000	3055	80.69675	86.32936	246529	1.5	1000	-0.15606	0.2403	57	
RADON	100	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	120	#N/A	120	120	120	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	100	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	58	5779.828	8104.887	335230	200	39000	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	100	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	120	#N/A	120	120	120	88	1.181818	1.119785	104	1	11	#N/A	#N/A	1	
RADON	100	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	120	#N/A	120	120	120	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADON	100	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	58	5779.828	8104.887	335230	200	39000	88	1.181818	1.119785	104	1	11	-0.14077	0.4749	28	
RADON	100	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	58	5779.828	8104.887	335230	200	39000	21	165.381	218.782	3473	1	710	0.31203	0.798	3	
RADON	100	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	120	#N/A	120	120	120	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	58	5779.828	8104.887	335230	200	39000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	120	#N/A	120	120	120	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	100	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	58	5779.828	8104.887	335230	200	39000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	100	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	120	#N/A	120	120	120	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	100	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	58	5779.828	8104.887	335230	200	39000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	100	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	120	#N/A	120	120	120	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	58	5779.828	8104.887	335230	200	39000	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	120	#N/A	120	120	120	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	1	
RADON	100	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	58	5779.828	8104.887	335230	200	39000	2444	191.2581	235.3253	467435	20	6070	-0.14526	0.4522	29	
RADON	100	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	120	#N/A	120	120	120	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	100	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	58	5779.828	8104.887	335230	200	39000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	100	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	120	#N/A	120	120	120	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	1	
RADON	100	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	58	5779.828	8104.887	335230	200	39000	296	140105	2410103	41470995	1.22	41465000	0.17321	0.5537	14	
RADON	100	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	120	#N/A	120	120	120	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	1	
RADON	100	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	58	5779.828	8104.887	335230	200	39000	1139	4.920281	4.112258	5604.2	0.1	16.1	0.29097	0.1257	29	
RADON	100	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	120	#N/A	120	120	120	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
RADON	100	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	58	5779.828	8104.887	335230	200	39000	718	165.5272	259.2981	118849	17	4000	-0.16913	0.3805	29	
RADON	100	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	120	#N/A	120	120	120	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
RADON	100	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	58	5779.828	8104.887	335230	200	39000	933	94.67899	176.9992	88336	3	2500	-0.2146	0.1957	38	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	120	#N/A	120	120	120	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	120	#N/A	120	120	120	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
RADON	100	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	58	5779.828	8104.887	335230	200	39000	157	6095.796	15060	957040	10	86000	0.651	0.0576	9	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	58	5779.828	8104.887	335230	200	39000	1368	841.5009	4078.394	1151173	3	59600	0.06218	0.7487	29	
RADON	100	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	120	#N/A	120	120	120	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	
RADON	100	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	120	#N/A	120	120	120	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	
RADON	100	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	58	5779.828	8104.887	335230	200	39000	157	504.8831	1439.597	79264	10	12000	0.39359	0.2946	9	
RADON	100	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	58	5779.828	8104.887	335230	200	39000	1300	746.6604	1671.579	970659	1	13000	-0.15445	0.4237	29	
RADON	100	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	120	#N/A	120	120	120	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	100	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	58	5779.828	8104.887	335230	200	39000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	100	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	120	#N/A	120	120	120	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADON	100	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	58	5779.828	8104.887	335230	200	39000	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
RADON	100	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	120	#N/A	120	120	120	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	58	5779.828	8104.887	335230	200	39000	805	0.029575	0.140689	23.808	0.01	2.9	-0.12777	0.5089	29	
RADON	100	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	120	#N/A	120	120	120	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	1	
RADON	100	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	58	5779.828	8104.887	335230	200	39000	2390	5.851039	0.823241	13984	3	11.3	-0.23506	0.2197	29	
RADON	100	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	120	#N/A	120	120	120	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	100	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	58	5779.828	8104.887	335230	200	39000	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	100	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	120	#N/A	120	120	120	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	1	
RADON	100	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	58	5779.828	8104.887	335230	200	39000	1143	15.11214	20.20626	17273	0.1	500	-0.34891	0.0636	29	
RADON	100	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	1	120	#N/A	120	120	120	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	100	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	58	5779.828	8104.887	335230	200	39000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	100	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	120	#N/A	120	120	120	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	58	5779.828	8104.887	335230	200	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1	120	#N/A	120	120	120	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	1	
RADON	100	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	58	5779.828	8104.887	335230	200	39000	3055	80.69675	86.32936	246529	1.5	1000	-0.15806	0.2403	57	
RADON	300	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	300	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	56	5978.75	8179.822	334810	490	39000	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	300	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADON	300	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADON	300	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	56	5978.75	8179.822	334810	490	39000	88	1.181818	1.119785	104	1	11	-0.14077	0.4749	28	
RADON	300	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	56	5978.75	8179.822	334810	490	39000	21	165.381	218.782	3473	1	710	0.31203	0.798	3	
RADON	300	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	56	5978.75	8179.822	334810	490	39000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	56	5978.75	8179.822	334810	490	39000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	300	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	300	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	56	5978.75	8179.822	334810	490	39000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	300	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	56	5978.75	8179.822	334810	490	39000	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADON	300	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	56	5978.75	8179.822	334810	490	39000	2444	191.2581	235.3253	467435	20	6070	-0.15726	0.4242	28	
RADON	300	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	300	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	56	5978.75	8179.822	334810	490	39000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	300	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADON	300	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	56	5978.75	8179.822	334810	490	39000	296	140105	2410103	41470995	1.22	41465000	0.17321	0.5537	14	
RADON	300	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADON	300	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	56	5978.75	8179.822	334810	490	39000	1139	4.920281	4.112258	5604.2	0.1	16.1	0.26886	0.1665	28	
RADON	300	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADON	300	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	56	5978.75	8179.822	334810	490	39000	718	165.5272	259.2981	118849	17	4000	-0.18041	0.3582	28	
RADON	300	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADON	300	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	56	5978.75	8179.822	334810	490	39000	933	94.67899	176.9992	88336	3	2500	-0.21736	0.1963	37	
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	56	5978.75	8179.822	334810	490	39000	157	6095.796	15060	957040	10	86000	0.651	0.0576	9	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	56	5978.75	8179.822	334810	490	39000	1368	841.5009	4078.394	1151173	3	59600	0.08078	0.6828	28	
RADON	300	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	56	5978.75	8179.822	334810	490	39000	157	504.6631	1439.597	79264	10	12000	0.39359	0.2946	9	
RADON	300	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	56	5978.75	8179.822	334810	490	39000	1300	746.6604	1671.579	970659	1	13000	-0.12292	0.5332	28	
RADON	300	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	300	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	56	5978.75	8179.822	334810	490	39000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	300	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADON	300	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	56	5978.75	8179.822	334810	490	39000	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
RADON	300	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADON	300	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	56	5978.75	8179.822	334810	490	39000	805	0.029575	0.140689	23.808	0.01	2.9	-0.13594	0.4904	28	
RADON	300	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADON	300	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	56	5978.75	8179.822	334810	490	39000	2390	5.851039	0.823241	13984	3	11.3	-0.20871	0.2865	28	
RADON	300	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	300	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	56	5978.75	8179.822	334810	490	39000	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	300	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADON	300	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	56	5978.75	8179.822	334810	490	39000	1143	15.11214	20.20626	17273	0.1	500	-0.35708	0.0621	28	
RADON	300	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	300	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	56	5978.75	8179.822	334810	490	39000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	300	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	56	5978.75	8179.822	334810	490	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	248529	1.5	1000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	56	5978.75	8179.822	334810	490	39000	3055	80.69675	86.32936	246529	1.5	1000	-0.13482	0.3264	55	
RADON	500	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	55	6078.545	8220.737	334320	520	39000	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	500	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADON	500	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADON	500	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	55	6078.545	8220.737	334320	520	39000	88	1.181818	1.119785	104	1	11	-0.15213	0.4488	27	
RADON	500	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	55	6078.545	8220.737	334320	520	39000	21	165.381	218.782	3473	1	710	0.31203	0.798	3	
RADON	500	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	55	6078.545	8220.737	334320	520	39000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	55	6078.545	8220.737	334320	520	39000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	500	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	500	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	55	6078.545	8220.737	334320	520	39000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	500	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	55	6078.545	8220.737	334320	520	39000	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	55	6078.545	8220.737	334320	520	39000	2444	191.2581	235.3253	467435	20	6070	-0.16606	0.4078	27	
RADON	500	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	500	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	55	6078.545	8220.737	334320	520	39000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	500	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADON	500	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	55	6078.545	8220.737	334320	520	39000	296	140105	2410103	41470995	1.22	41465000	0.15763	0.607	13	
RADON	500	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADON	500	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	55	6078.545	8220.737	334320	520	39000	1139	4.920281	4.112258	5604.2	0.1	16.1	0.28685	0.1469	27	
RADON	500	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	55	6078.545	8220.737	334320	520	39000	718	165.5272	259.2981	118849	17	4000	-0.19385	0.3331	27	
RADON	500	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADON	500	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	55	6078.545	8220.737	334320	520	39000	933	94.67899	176.9992	88336	3	2500	-0.21055	0.2177	36	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	55	6078.545	8220.737	334320	520	39000	157	6095.796	15060	957040	10	86000	0.651	0.0576	9	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	55	6078.545	8220.737	334320	520	39000	1368	841.5009	4078.394	1151173	3	59600	0.06729	0.7388	27	
RADON	500	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	55	6078.545	8220.737	334320	520	39000	157	504.8631	1439.597	79264	10	12000	0.39359	0.2946	9	
RADON	500	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	55	6078.545	8220.737	334320	520	39000	1300	746.6604	1671.579	970659	1	13000	-0.14338	0.4756	27	
RADON	500	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	500	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	55	6078.545	8220.737	334320	520	39000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	500	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADON	500	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	55	6078.545	8220.737	334320	520	39000	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
RADON	500	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2 9	#N/A	#N/A	0	
RADON	500	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	55	6078.545	8220.737	334320	520	39000	805	0.029575	0.140689	23.808	0.01	2.9	-0.14427	0.4728	27	
RADON	500	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADON	500	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	55	6078.545	8220.737	334320	520	39000	2390	5.851039	0.823241	13984	3	11.3	-0.18903	0.345	27	
RADON	500	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	500	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	55	6078.545	8220.737	334320	520	39000	57	1	0	57	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADON	500	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	55	6078.545	8220.737	334320	520	39000	1143	15.11214	20.20626	17273	0.1	500	-0.35072	0.0729	27	
RADON	500	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	500	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	55	6078.545	8220.737	334320	520	39000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	500	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	55	6078.545	8220.737	334320	520	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69875	86.32936	246529	1.5	1000	#N/A	#N/A	0	
RADON	500	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	55	6078.545	8220.737	334320	520	39000	3055	80.69875	86.32936	246529	1.5	1000	-0.12129	0.3823	54	
RADON	1000	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	45	7253.333	8670.158	326400	1000	39000	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	1000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADON	1000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADON	1000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	45	7253.333	8670.158	326400	1000	39000	88	1.181818	1.119785	104	1	11	-0.191	0.3713	24	
RADON	1000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	45	7253.333	8670.158	326400	1000	39000	21	165.381	218.782	3473	1	710	-1	#N/A	2	
RADON	1000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	45	7253.333	8670.158	326400	1000	39000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	45	7253.333	8670.158	326400	1000	39000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	45	7253.333	8670.158	326400	1000	39000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	1000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	45	7253.333	8670.158	326400	1000	39000	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	45	7253.333	8670.158	326400	1000	39000	2444	191.2581	235.3253	467435	20	6070	-0.18914	0.3761	24	
RADON	1000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	1000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	45	7253.333	8670.158	326400	1000	39000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	1000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADON	1000	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	45	7253.333	8670.158	326400	1000	39000	296	140105	2410103	41470995	1.22	41465000	0.07558	0.6356	10	
RADON	1000	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADON	1000	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	45	7253.333	8670.158	326400	1000	39000	1139	4.920281	4.112258	5604.2	0.1	16.1	0.33672	0.1076	24	
RADON	1000	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADON	1000	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	45	7253.333	8670.158	326400	1000	39000	718	165.5272	259.2981	118849	17	4000	-0.23213	0.2751	24	
RADON	1000	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67699	176.9992	88336	3	2500	#N/A	#N/A	0	
RADON	1000	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	45	7253.333	8670.158	326400	1000	39000	933	94.67699	176.9992	88336	3	2500	-0.36021	0.0505	30	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	45	7253.333	8670.158	326400	1000	39000	157	6095.796	15060	957040	10	86000	0.74129	0.0917	6	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	45	7253.333	8670.158	326400	1000	39000	1368	841.5009	4078.394	1151173	3	59600	0.05947	0.7825	24	
RADON	1000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	45	7253.333	8670.158	326400	1000	39000	157	504.8631	1439.597	79264	10	12000	0.28044	0.5904	6	
RADON	1000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	45	7253.333	8670.158	326400	1000	39000	1300	746.6604	1671.579	970659	1	13000	-0.12237	0.5689	24	
RADON	1000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	45	7253.333	8670.158	326400	1000	39000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	1000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADON	1000	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	45	7253.333	8670.158	326400	1000	39000	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	1	
RADON	1000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	45	7253.333	8670.158	326400	1000	39000	805	0.029575	0.140689	23.808	0.01	2.9	-0.1726	0.42	24	
RADON	1000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADON	1000	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	45	7253.333	8670.158	326400	1000	39000	2390	5.851039	0.823241	13984	3	11.3	-0.19302	0.3662	24	
RADON	1000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	1000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	45	7253.333	8670.158	326400	1000	39000	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	1000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADON	1000	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	45	7253.333	8670.158	326400	1000	39000	1143	15.11214	20.20626	17273	0.1	500	-0.46717	0.0214	24	*
RADON	1000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	1000	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	45	7253.333	8670.158	326400	1000	39000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	1000	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	45	7253.333	8670.158	326400	1000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32936	246529	1.5	1000	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	45	7253.333	8670.158	326400	1000	39000	3055	80.69675	88.32936	246529	1.5	1000	-0.1659	0.2818	44	
RADON	3000	ALKALINITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	ALKALINITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	28	10689	9488.056	299300	3000	39000	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	3000	ANTIMONY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
RADON	3000	ARSENIC	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
RADON	3000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	28	10689	9488.056	299300	3000	39000	88	1.181818	1.119785	104	1	11	0.06502	0.8329	13	
RADON	3000	ARSENIC	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	28	10689	9488.056	299300	3000	39000	21	165.381	218.782	3473	1	710	#N/A	#N/A	1	
RADON	3000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	28	10689	9488.056	299300	3000	39000	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BARIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	28	10689	9488.056	299300	3000	39000	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	28	10689	9488.056	299300	3000	39000	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
RADON	3000	CADMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	28	10689	9488.056	299300	3000	39000	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CHROMIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	28	10689	9488.056	299300	3000	39000	2444	191.2581	235.3253	467435	20	6070	-0.28576	0.3439	13	
RADON	3000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	3000	CYANIDE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	28	10689	9488.056	299300	3000	39000	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
RADON	3000	CYANIDE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	DEPTH-BELOW-LAN	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
RADON	3000	DEPTH-BELOW-LAN	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	28	10689	9488.056	299300	3000	39000	296	140105	2410103	41470995	1.22	41465000	0.7046	0.184	5	
RADON	3000	DISSOLVED-OXYGE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
RADON	3000	DISSOLVED-OXYGE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	28	10689	9488.056	299300	3000	39000	1139	4.920281	4.112258	5604.2	0.1	16.1	0.59447	0.0321	13	*
RADON	3000	DISSOLVED-SOLID	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
RADON	3000	DISSOLVED-SOLID	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	28	10689	9488.056	299300	3000	39000	718	165.5272	259.2981	118849	17	4000	-0.33814	0.2585	13	
RADON	3000	HARDNESS	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
RADON	3000	HARDNESS	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	28	10689	9488.056	299300	3000	39000	933	94.67899	176.9992	88336	3	2500	-0.46739	0.0505	18	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	28	10689	9488.056	299300	3000	39000	157	6095.796	15060	957040	10	86000	0.72614	0.1648	5	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	28	10689	9488.056	299300	3000	39000	1368	841.5009	4078.394	1151173	3	59600	0.1385	0.6518	13	
RADON	3000	IRON	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79284	10	12000	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	28	10689	9488.056	299300	3000	39000	157	504.8631	1439.597	79264	10	12000	0.09577	0.8762	5	
RADON	3000	MANGANESE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	28	10689	9488.056	299300	3000	39000	1300	746.6604	1671.579	970659	1	13000	0.18962	0.535	13	
RADON	3000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MERCURY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MERCURY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	28	10689	9488.056	299300	3000	39000	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
RADON	3000	NICKEL	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	NITRATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADON	3000	NITRATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	28	10689	9488.056	299300	3000	39000	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
RADON	3000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
RADON	3000	NITRITE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	28	10689	9488.056	299300	3000	39000	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	13	
RADON	3000	NITRITE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	PH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
RADON	3000	PH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	28	10689	9488.056	299300	3000	39000	2390	5.851039	0.823241	13984	3	11.3	-0.32067	0.2854	13	
RADON	3000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	3000	SELENIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	28	10689	9488.056	299300	3000	39000	57	1	0	57	1	1	#N/A	#N/A	0	
RADON	3000	SELENIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	SULFATE	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
RADON	3000	SULFATE	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	28	10689	9488.056	299300	3000	39000	1143	15.11214	20.20626	17273	0.1	500	-0.57833	0.0384	13	*
RADON	3000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	THALLIUM	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	THALLIUM	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	TURBIDITY	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	3000	TURBIDITY	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	28	10689	9488.056	299300	3000	39000	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
RADON	3000	URANIUM-235	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	URANIUM-235	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	URANIUM-238	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	URANIUM-238	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	28	10689	9488.056	299300	3000	39000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	WELL-DEPTH	GROUND WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	WELL-DEPTH	GROUND WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	28	10689	9488.056	299300	3000	39000	3055	80.69675	88.32936	246529	1.5	1000	-0.17929	0.3613	28	
SELENIUM	0	ALKALINITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	57	1	0	57	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	ALKALINITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	CONDUCTANCE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	57	1	0	57	1	1	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	50	
SELENIUM	0	CONDUCTANCE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
SELENIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	57	1	0	57	1	1	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	13	
SELENIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
SELENIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	57	1	0	57	1	1	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	18	
SELENIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
SELENIUM	0	DISSOLVED-SOLID	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	57	1	0	57	1	1	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	45	
SELENIUM	0	DISSOLVED-SOLID	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
SELENIUM	0	HARDNESS	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	57	1	0	57	1	1	933	94.67699	176.9992	88336	3	2500	#N/A	#N/A	57	
SELENIUM	0	HARDNESS	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67699	176.9992	88336	3	2500	#N/A	#N/A	0	
SELENIUM	0	PH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	57	1	0	57	1	1	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	50	
SELENIUM	0	PH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
SELENIUM	0	THALLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	57	1	0	57	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	THALLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	57	1	0	57	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	THALLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	THALLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	TURBIDITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	57	1	0	57	1	1	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SELENIUM	0	TURBIDITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SELENIUM	0	WELL-DEPTH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	57	1	0	57	1	1	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	49	
SELENIUM	0	WELL-DEPTH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119765	104	1	11	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.762	3473	1	710	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119765	104	1	11	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.762	3473	1	710	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423464	423.5	1	5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	CADMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CONDUCTANCE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
SELENIUM	50	CONDUCTANCE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	DEPTH-BELOW-LAN	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
SELENIUM	50	DEPTH-BELOW-LAN	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-OXYGE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-OXYGE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-SOLID	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-SOLID	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
SELENIUM	50	HARDNESS	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
SELENIUM	50	HARDNESS	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
SELENIUM	50	IRON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
SELENIUM	50	NICKEL	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	NITRATE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	184	13.42847	18.68951	2202.269	0.036	180	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	NITRATE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
SELENIUM	50	NITRITE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	PH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
SELENIUM	50	PH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
SELENIUM	50	RADON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
SELENIUM	50	RADON	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
SELENIUM	50	RADON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
SELENIUM	50	RADON	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
SELENIUM	50	SULFATE	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
SELENIUM	50	SULFATE	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
SELENIUM	50	TURBIDITY	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SELENIUM	50	TURBIDITY	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SELENIUM	50	WELL-DEPTH	GROUND WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
SELENIUM	50	WELL-DEPTH	GROUND WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
SULFATE	0	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1143	15.11214	20.20626	17273	0.1	500	54	1	0	54	1	1	#N/A	#N/A	54	
SULFATE	0	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1143	15.11214	20.20626	17273	0.1	500	384	24.11328	50.57306	9259.5	2	420	0.104	0.0417	384	*
SULFATE	0	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1143	15.11213	20.20626	17273	0.1	500	384	0.55182	0.15157	211.9	0.5	1.5	0.02595	0.6122	384	
SULFATE	0	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1143	15.11213	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1143	15.11214	20.20626	17273	0.1	500	384	1.102865	0.423484	423.5	1	5	0.01363	0.7901	384	
SULFATE	0	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1143	15.11214	20.20626	17273	0.1	500	381	76.9874	1398.35	29332	1	27300	-0.0711	0.1666	380	
SULFATE	0	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1143	15.11214	20.20626	17273	0.1	500	2444	191.2581	235.3253	467435	20	6070	0.2257	0.0001	749	*
SULFATE	0	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1143	15.11214	20.20626	17273	0.1	500	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	10	
SULFATE	0	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019 (FEET)	1143	15.11214	20.20626	17273	0.1	500	296	140105	2410103	41470995	1.22	41465000	-0.08471	0 2283	204	
SULFATE	0	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	1143	15.11214	20.20626	17273	0.1	500	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.08438	0.0481	549	*
SULFATE	0	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1143	15.11214	20.20626	17273	0.1	500	718	165.5272	259.2981	118849	17	4000	0.15093	0 0001	718	*
SULFATE	0	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	1143	15.11214	20.20626	17273	0.1	500	933	94.67899	176.9992	88336	3	2500	0.09794	0.0051	815	*
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1143	15.11214	20.20626	17273	0.1	500	157	6095.796	15060	957040	10	86000	-0.13323	0.4252	38	
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1143	15.11214	20.20626	17273	0.1	500	1368	841.5009	4078.394	1151173	3	59600	0.02122	0.4915	1053	
SULFATE	0	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	1143	15.11214	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1143	15.11213	20.20626	17273	0.1	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	0	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1143	15.11213	20.20626	17273	0.1	500	157	504.8631	1439.597	79264	10	12000	0.16641	0.318	38	
SULFATE	0	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1143	15.11213	20.20626	17273	0.1	500	1300	746.6604	1671.579	970659	1	13000	0.10668	0.0008	983	*
SULFATE	0	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1143	15.11214	20.20626	17273	0.1	500	368	9.605978	2.167299	3535	1	20	-0.00463	0.9294	368	
SULFATE	0	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1143	15.11214	20.20626	17273	0.1	500	164	13.42847	18.68951	2202.269	0.038	180	-0.30059	0.0004	137	*
SULFATE	0	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1143	15.11214	20.20626	17273	0.1	500	805	0.029575	0.140689	23.808	0.01	2.9	0.00187	0.9597	733	
SULFATE	0	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1143	15.11214	20.20626	17273	0.1	500	2390	5.851039	0.823241	13984	3	11.3	0.20314	0.0001	818	*
SULFATE	0	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	29	52.72414	24.31034	1529	20	120	-0.24453	0.2011	29	
SULFATE	0	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	58	5779.828	8104.887	335230	200	39000	-0.34891	0.0636	29	
SULFATE	0	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1143	15.11214	20.20626	17273	0.1	500	57	1	0	57	1	1	0N/A	0N/A	56	
SULFATE	0	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	1143	15.11214	20.20626	17273	0.1	500	294	21.29973	107.3283	6262.12	0.1	1000	-0.07063	0.2273	294	
SULFATE	0	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1143	15.11214	20.20626	17273	0.1	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	0	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	1143	15.11214	20.20626	17273	0.1	500	3055	80.69675	86.32936	246529	1.5	1000	-0.06963	0.0224	1076	*
SULFATE	25	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	166	38.25602	44.43295	6350.5	25	500	54	1	0	54	1	1	0N/A	0N/A	1	
SULFATE	25	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	166	38.25602	44.43295	6350.5	25	500	88	1.181818	1.119785	104	1	11	-0.75593	0.4544	3	
SULFATE	25	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	166	38.25602	44.43295	6350.5	25	500	21	165.381	218.782	3473	1	710	0N/A	0N/A	0	
SULFATE	25	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	166	38.25602	44.43295	6350.5	25	500	384	24.11328	50.57306	9259.5	2	420	0.11692	0.5614	27	
SULFATE	25	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01008	BARIUM-SUSPENDED-P01008-(UG/L AS BA)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	166	38.25602	44.43295	6350.5	25	500	384	0.55182	0.15157	211.9	0.5	1.5	-0.09967	0.6209	27	
SULFATE	25	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	166	38.25602	44.43295	6350.5	25	500	384	1.102865	0.423484	423.5	1	5	-0.18748	0.3491	27	
SULFATE	25	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	166	38.25602	44.43295	6350.5	25	500	381	76.9874	1398.35	29332	1	27300	-0.09014	0.6548	27	
SULFATE	25	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	166	38.25602	44.43295	6350.5	25	500	2444	191.2581	235.3253	467435	20	6070	0.10734	0.4184	59	
SULFATE	25	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	166	38.25602	44.43295	6350.5	25	500	10	0.01	0	0.1	0.01	0.01	0N/A	0N/A	0	
SULFATE	25	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	166	38.25602	44.43295	6350.5	25	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	25	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	166	38.25602	44.43295	6350.5	25	500	296	140105	2410103	41470995	1.22	41465000	-0.13499	0.502	27	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	25	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	166	38.25602	44.43295	6350.5	25	500	1139	4.920281	4.112258	5604.2	0.1	16.1	0.17191	0.2277	51	
SULFATE	25	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	166	38.25602	44.43295	6350.5	25	500	718	165.5272	259.2981	118849	17	4000	0.18829	0.1497	60	
SULFATE	25	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	166	38.25602	44.43295	6350.5	25	500	933	94.67899	176.9992	88336	3	2500	0.18432	0.1586	60	
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	166	38.25602	44.43295	6350.5	25	500	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	166	38.25602	44.43295	6350.5	25	500	1368	841.5009	4078.394	1151173	3	59600	-0.03016	0.6997	166	
SULFATE	25	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	166	38.25602	44.43295	6350.5	25	500	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
SULFATE	25	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	166	38.25602	44.43295	6350.5	25	500	1300	746.6604	1671.579	970659	1	13000	-0.04836	0.5361	166	
SULFATE	25	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	166	38.25602	44.43295	6350.5	25	500	368	9.605978	2.167299	3535	1	20	-0.05883	0.7707	27	
SULFATE	25	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	166	38.25602	44.43295	6350.5	25	500	164	13.42847	18.66951	2202.269	0.038	180	-0.51912	0.0571	14	
SULFATE	25	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	166	38.25602	44.43295	6350.5	25	500	805	0.029575	0.140689	23.808	0.01	2.9	-0.05514	0.673	61	
SULFATE	25	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	166	38.25602	44.43295	6350.5	25	500	2390	5.851039	0.823241	13984	3	11.3	0.39803	0.0016	60	*
SULFATE	25	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	29	52.72414	24.31034	1529	20	120	1	#N/A	2	
SULFATE	25	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	58	5779.828	8104.887	335230	200	39000	1	#N/A	2	
SULFATE	25	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	166	38.25602	44.43295	6350.5	25	500	57	1	0	57	1	1	#N/A	#N/A	1	
SULFATE	25	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	166	38.25602	44.43295	6350.5	25	500	294	21.29973	107.3283	6262.12	0.1	1000	-0.1542	0.4618	25	
SULFATE	25	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	166	38.25602	44.43295	6350.5	25	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	166	38.25602	44.43295	6350.5	25	500	3055	80.69675	86.32936	246529	1.5	1000	-0.09156	0.2451	163	
SULFATE	120	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4	267.5	176.8945	1070	120	500	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	120	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4	267.5	176.8945	1070	120	500	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
SULFATE	120	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4	267.5	176.8945	1070	120	500	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
SULFATE	120	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4	267.5	176.8945	1070	120	500	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
SULFATE	120	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4	267.5	176.8945	1070	120	500	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
SULFATE	120	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4	267.5	176.8945	1070	120	500	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	120	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4	267.5	176.8945	1070	120	500	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
SULFATE	120	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4	267.5	176.8945	1070	120	500	2444	191.2581	235.3253	467435	20	6070	0.99722	0.0028	4	*
SULFATE	120	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4	267.5	176.8945	1070	120	500	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
SULFATE	120	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4	267.5	176.8945	1070	120	500	296	140105	2410103	41470995	1.22	41465000	-0.44063	0.5594	4	
SULFATE	120	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4	267.5	176.8945	1070	120	500	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.78087	0.2191	4	
SULFATE	120	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4	267.5	176.8945	1070	120	500	718	165.5272	259.2981	118849	17	4000	0.99883	0.0012	4	*
SULFATE	120	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4	267.5	176.8945	1070	120	500	933	94.67899	176.9992	88336	3	2500	0.93109	0.0689	4	
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	4	267.5	176.8945	1070	120	500	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	4	267.5	176.8945	1070	120	500	1368	841.5009	4078.394	1151173	3	59600	-0.83659	0.1634	4	
SULFATE	120	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4	267.5	176.8945	1070	120	500	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
SULFATE	120	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4	267.5	176.8945	1070	120	500	1300	746.6604	1671.579	970659	1	13000	0.23665	0.7634	4	
SULFATE	120	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4	267.5	176.8945	1070	120	500	388	9.605978	2.187299	3535	1	20	#N/A	#N/A	0	
SULFATE	120	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4	267.5	176.8945	1070	120	500	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
SULFATE	120	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4	267.5	176.8945	1070	120	500	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	4	
SULFATE	120	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4	267.5	176.8945	1070	120	500	2390	5.851039	0.823241	13984	3	11.3	-0.15934	0.8407	4	
SULFATE	120	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	4	267.5	176.8945	1070	120	500	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
SULFATE	120	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	4	267.5	176.8945	1070	120	500	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
SULFATE	120	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4	267.5	176.8945	1070	120	500	57	1	0	57	1	1	#N/A	#N/A	0	
SULFATE	120	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	4	267.5	176.8945	1070	120	500	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SULFATE	120	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22820	URANIUM 235-DISSOLVED-P22820-(PCI/L)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4	267.5	176.8945	1070	120	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	4	267.5	176.8945	1070	120	500	3055	80.69675	86.32936	246529	1.5	1000	0.20071	0.7993	4	
SULFATE	150	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2	405	134.3503	810	310	500	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	150	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	150	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2	405	134.3503	810	310	500	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
SULFATE	150	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2	405	134.3503	810	310	500	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
SULFATE	150	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2	405	134.3503	810	310	500	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
SULFATE	150	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2	405	134.3503	810	310	500	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
SULFATE	150	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2	405	134.3503	810	310	500	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
SULFATE	150	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2	405	134.3503	810	310	500	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
SULFATE	150	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	405	134.3503	810	310	500	2444	191.2581	235.3253	467435	20	6070	1	#N/A	2	
SULFATE	150	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2	405	134.3503	810	310	500	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
SULFATE	150	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	405	134.3503	810	310	500	296	140105	2410103	41470995	1.22	41465000	1.01844	#N/A	2	
SULFATE	150	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	405	134.3503	810	310	500	1139	4.920281	4.112258	5604.2	0.1	16.1	1	#N/A	2	
SULFATE	150	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	405	134.3503	810	310	500	718	165.5272	259.2981	118849	17	4000	1	#N/A	2	
SULFATE	150	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	405	134.3503	810	310	500	933	94.67899	176.9992	88336	3	2500	1	#N/A	2	
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2	405	134.3503	810	310	500	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2	405	134.3503	810	310	500	1388	841.5009	4078.394	1151173	3	59600	-1	#N/A	2	
SULFATE	150	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	405	134.3503	810	310	500	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	
SULFATE	150	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	405	134.3503	810	310	500	1300	746.6604	1671.579	970659	1	13000	-1	#N/A	2	
SULFATE	150	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2	405	134.3503	810	310	500	368	9.605978	2.187299	3535	1	20	#N/A	#N/A	0	
SULFATE	150	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2	405	134.3503	810	310	500	164	13.42647	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
SULFATE	150	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2	405	134.3503	810	310	500	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	2	
SULFATE	150	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	405	134.3503	810	310	500	2390	5.851039	0.823241	13984	3	11.3	-1	#N/A	2	
SULFATE	150	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	2	405	134.3503	810	310	500	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
SULFATE	150	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2	405	134.3503	810	310	500	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
SULFATE	150	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2	405	134.3503	810	310	500	57	1	0	57	1	1	#N/A	#N/A	0	
SULFATE	150	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	150	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	2	405	134.3503	810	310	500	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SULFATE	150	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	2	405	134.3503	810	310	500	3055	80.69675	86.32936	246529	1.5	1000	-1	#N/A	2	
SULFATE	250	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2	405	134.3503	810	310	500	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	250	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2	405	134.3503	810	310	500	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
SULFATE	250	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2	405	134.3503	810	310	500	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
SULFATE	250	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2	405	134.3503	810	310	500	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
SULFATE	250	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2	405	134.3503	810	310	500	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
SULFATE	250	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2	405	134.3503	810	310	500	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
SULFATE	250	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2	405	134.3503	810	310	500	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
SULFATE	250	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	405	134.3503	810	310	500	2444	191.2581	235.3253	467435	20	6070	1	#N/A	2	
SULFATE	250	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2	405	134.3503	810	310	500	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
SULFATE	250	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	405	134.3503	810	310	500	296	140105	2410103	41470995	1.22	41465000	1.01844	#N/A	2	
SULFATE	250	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	405	134.3503	810	310	500	1139	4.920281	4.112258	5604.2	0.1	16.1	1	#N/A	2	
SULFATE	250	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	405	134.3503	810	310	500	718	165.5272	259.2981	118849	17	4000	1	#N/A	2	
SULFATE	250	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	405	134.3503	810	310	500	933	94.67899	176.9992	88336	3	2500	1	#N/A	2	
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2	405	134.3503	810	310	500	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2	405	134.3503	810	310	500	1368	841.5009	4078.394	1151173	3	59600	-1	#N/A	2	
SULFATE	250	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	405	134.3503	810	310	500	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
SULFATE	250	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	405	134.3503	810	310	500	1300	746.6604	1671.579	970659	1	13000	-1	#N/A	2	
SULFATE	250	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2	405	134.3503	810	310	500	388	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
SULFATE	250	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2	405	134.3503	810	310	500	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
SULFATE	250	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2	405	134.3503	810	310	500	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	2	
SULFATE	250	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	405	134.3503	810	310	500	2390	5.851039	0.823241	13984	3	11.3	-1	#N/A	2	

Appendix F-threshold, Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	250	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	2	405	134.3503	810	310	500	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
SULFATE	250	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2	405	134.3503	810	310	500	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
SULFATE	250	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2	405	134.3503	810	310	500	57	1	0	57	1	1	#N/A	#N/A	0	
SULFATE	250	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	2	405	134.3503	810	310	500	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
SULFATE	250	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2	405	134.3503	810	310	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	2	405	134.3503	810	310	500	3055	80.69675	86.32936	246529	1.5	1000	-1	#N/A	2	
SULFATE	500	ALKALINITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	500	#N/A	500	500	500	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	500	ANTIMONY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	500	#N/A	500	500	500	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
SULFATE	500	ARSENIC	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	500	#N/A	500	500	500	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
SULFATE	500	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	500	#N/A	500	500	500	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
SULFATE	500	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	BARIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	500	#N/A	500	500	500	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
SULFATE	500	BERYLLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	500	#N/A	500	500	500	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
SULFATE	500	CADMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	500	#N/A	500	500	500	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	CONDUCTANCE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	500	#N/A	500	500	500	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	1	
SULFATE	500	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	500	#N/A	500	500	500	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
SULFATE	500	CYANIDE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	DEPTH-BELOW-LAN	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	500	#N/A	500	500	500	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	1	
SULFATE	500	DISSOLVED-OXYGE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	500	#N/A	500	500	500	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	1	
SULFATE	500	DISSOLVED-SOLID	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	500	#N/A	500	500	500	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	1	
SULFATE	500	HARDNESS	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	1	500	#N/A	500	500	500	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	1	
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	500	#N/A	500	500	500	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	500	#N/A	500	500	500	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	1	
SULFATE	500	IRON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	500	#N/A	500	500	500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	500	#N/A	500	500	500	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
SULFATE	500	MANGANESE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	500	#N/A	500	500	500	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	1	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	500	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	MERCURY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	500	0N/A	500	500	500	368	9.605978	2.187299	3535	1	20	0N/A	0N/A	0	
SULFATE	500	NICKEL	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	NITRATE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	500	0N/A	500	500	500	164	13.42847	18.68951	2202.269	0.038	180	0N/A	0N/A	0	
SULFATE	500	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	500	0N/A	500	500	500	805	0.029575	0.140689	23.808	0.01	2.9	0N/A	0N/A	1	
SULFATE	500	NITRITE	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	PH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	500	0N/A	500	500	500	2390	5.851039	0.823241	13984	3	11.3	0N/A	0N/A	1	
SULFATE	500	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	RADIUM-226	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	1	500	0N/A	500	500	500	29	52.72414	24.31034	1529	20	120	0N/A	0N/A	0	
SULFATE	500	RADON	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	500	0N/A	500	500	500	58	5779.828	8104.887	335230	200	39000	0N/A	0N/A	0	
SULFATE	500	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	500	0N/A	500	500	500	57	1	0	57	1	1	0N/A	0N/A	0	
SULFATE	500	SELENIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	THALLIUM	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	TURBIDITY	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	1	500	0N/A	500	500	500	294	21.29973	107.3283	6262.12	0.1	1000	0N/A	0N/A	0	
SULFATE	500	URANIUM-235	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	URANIUM-238	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	500	0N/A	500	500	500	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
SULFATE	500	WELL-DEPTH	GROUND WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	1	500	0N/A	500	500	500	3055	80.69675	88.32936	246529	1.5	1000	0N/A	0N/A	1	
THALLIUM	0	CONDUCTANCE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2444	191.2581	235.3253	467435	20	6070	0N/A	0N/A	0	
THALLIUM	0	CONDUCTANCE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2444	191.2581	235.3253	467435	20	6070	0N/A	0N/A	0	
THALLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	296	140105	2410103	41470995	1.22	41465000	0N/A	0N/A	0	
THALLIUM	0	DEPTH-BELOW-LAN	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	296	140105	2410103	41470995	1.22	41465000	0N/A	0N/A	0	
THALLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	0N/A	0N/A	0	
THALLIUM	0	DISSOLVED-OXYGE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	0N/A	0N/A	0	
THALLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	718	165.5272	259.2981	118849	17	4000	0N/A	0N/A	0	
THALLIUM	0	DISSOLVED-SOLID	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	718	165.5272	259.2981	118849	17	4000	0N/A	0N/A	0	
THALLIUM	0	HARDNESS	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	0N/A	0N/A	0N/A	0N/A	0N/A	933	94.67899	176.9992	88336	3	2500	0N/A	0N/A	0	
THALLIUM	0	HARDNESS	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	0N/A	0N/A	0N/A	0N/A	0N/A	933	94.67899	176.9992	88336	3	2500	0N/A	0N/A	0	
THALLIUM	0	PH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2390	5.851039	0.823241	13984	3	11.3	0N/A	0N/A	0	
THALLIUM	0	PH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2390	5.851039	0.823241	13984	3	11.3	0N/A	0N/A	0	
THALLIUM	0	TURBIDITY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	0N/A	0N/A	0N/A	0N/A	0N/A	294	21.29973	107.3283	6262.12	0.1	1000	0N/A	0N/A	0	
THALLIUM	0	TURBIDITY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	0N/A	0N/A	0N/A	0N/A	0N/A	294	21.29973	107.3283	6262.12	0.1	1000	0N/A	0N/A	0	
THALLIUM	0	WELL-DEPTH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	3055	80.69675	88.32936	246529	1.5	1000	0N/A	0N/A	0	
THALLIUM	0	WELL-DEPTH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	3055	80.69675	88.32936	246529	1.5	1000	0N/A	0N/A	0	
THALLIUM	2	ANTIMONY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	54	1	0	54	1	1	0N/A	0N/A	0	
THALLIUM	2	ANTIMONY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
THALLIUM	2	ANTIMONY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	54	1	0	54	1	1	0N/A	0N/A	0	
THALLIUM	2	ANTIMONY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
THALLIUM	2	ARSENIC	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	88	1.181818	1.119785	104	1	11	0N/A	0N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	ARSENIC	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
THALLIUM	2	ARSENIC	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
THALLIUM	2	ARSENIC	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CONDUCTANCE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
THALLIUM	2	CONDUCTANCE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	DEPTH-BELOW-LAN	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
THALLIUM	2	DEPTH-BELOW-LAN	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-OXYGE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-OXYGE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-SOLID	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-SOLID	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
THALLIUM	2	HARDNESS	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
THALLIUM	2	HARDNESS	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
THALLIUM	2	IRON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
THALLIUM	2	NICKEL	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
THALLIUM	2	NICKEL	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	NICKEL	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
THALLIUM	2	NICKEL	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	NITRATE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
THALLIUM	2	NITRATE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
THALLIUM	2	NITRITE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
THALLIUM	2	NITRITE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	NITRITE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
THALLIUM	2	NITRITE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	PH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
THALLIUM	2	PH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
THALLIUM	2	RADON	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	SULFATE	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
THALLIUM	2	SULFATE	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
THALLIUM	2	TURBIDITY	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
THALLIUM	2	TURBIDITY	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	GROUND WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	GROUND WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
TURBIDITY	0	CONDUCTANCE	GROUND WATER	P00076	TURBIDITY-P00076-(NTU)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	294	21.29973	107.3283	6262.12	0.1	1000	2444	191.2581	235.3253	467435	20	6070	-0.07769	0.1855	292	
URANIUM-235	0	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	0	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	0	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-235	0	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-235	0	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-235	0	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-235	0	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-235	0	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	716	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-235	0	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-235	0	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970859	1	13000	#N/A	#N/A	0	
URANIUM-235	0	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-235	0	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-235	0	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-235	0	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-235	0	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-235	0	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	5	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2444	191.2581	235.3253	467435	20	6070	ON/A	ON/A	0	
URANIUM-235	5	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	ON/A	ON/A	ON/A	ON/A	ON/A	10	0.01	0	0.1	0.01	0.01	ON/A	ON/A	0	
URANIUM-235	5	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	296	140105	2410103	41470995	1.22	41465000	ON/A	ON/A	0	
URANIUM-235	5	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1139	4.920281	4.112258	5604.2	0.1	16.1	ON/A	ON/A	0	
URANIUM-235	5	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	718	165.5272	259.2981	118849	17	4000	ON/A	ON/A	0	
URANIUM-235	5	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	ON/A	ON/A	ON/A	ON/A	ON/A	933	94.67899	176.9992	88336	3	2500	ON/A	ON/A	0	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	157	6095.796	15060	957040	10	86000	ON/A	ON/A	0	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1368	841.5009	4078.394	1151173	3	59600	ON/A	ON/A	0	
URANIUM-235	5	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	ON/A	ON/A	ON/A	ON/A	ON/A	157	504.8631	1439.597	79264	10	12000	ON/A	ON/A	0	
URANIUM-235	5	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1300	748.6604	1871.579	970659	1	13000	ON/A	ON/A	0	
URANIUM-235	5	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	ON/A	ON/A	ON/A	ON/A	ON/A	388	9.605978	2.167299	3535	1	20	ON/A	ON/A	0	
URANIUM-235	5	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	164	13.42847	18.68951	2202.269	0.038	180	ON/A	ON/A	0	
URANIUM-235	5	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	805	0.029575	0.140689	23.808	0.01	2.9	ON/A	ON/A	0	
URANIUM-235	5	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	2390	5.851039	0.823241	13984	3	11.3	ON/A	ON/A	0	
URANIUM-235	5	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	29	52.72414	24.31034	1529	20	120	ON/A	ON/A	0	
URANIUM-235	5	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	ON/A	ON/A	ON/A	ON/A	ON/A	58	5779.828	8104.887	335230	200	39000	ON/A	ON/A	0	
URANIUM-235	5	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	57	1	0	57	1	1	ON/A	ON/A	0	
URANIUM-235	5	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	5	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	ON/A	ON/A	ON/A	ON/A	ON/A	1143	15.11214	20.20626	17273	0.1	500	ON/A	ON/A	0	
URANIUM-235	5	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	ON/A	ON/A	ON/A	ON/A	ON/A	294	21.29973	107.3283	6262.12	0.1	1000	ON/A	ON/A	0	
URANIUM-235	5	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	ON/A	ON/A	ON/A	ON/A	ON/A	3055	80.69675	86.32936	246529	1.5	1000	ON/A	ON/A	0	
URANIUM-235	20	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	ON/A	ON/A	ON/A	ON/A	ON/A	54	1	0	54	1	1	ON/A	ON/A	0	
URANIUM-235	20	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	20	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	88	1.181818	1.119785	104	1	11	ON/A	ON/A	0	
URANIUM-235	20	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	ON/A	ON/A	ON/A	ON/A	ON/A	21	165.381	218.782	3473	1	710	ON/A	ON/A	0	
URANIUM-235	20	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	24.11328	50.57306	9259.5	2	420	ON/A	ON/A	0	
URANIUM-235	20	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	20	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	20	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	0.55182	0.15157	211.9	0.5	1.5	ON/A	ON/A	0	
URANIUM-235	20	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	20	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	384	1.102865	0.423484	423.5	1	5	ON/A	ON/A	0	
URANIUM-235	20	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	20	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	381	76.9874	1398.35	29332	1	27300	ON/A	ON/A	0	
URANIUM-235	20	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	
URANIUM-235	20	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	ON/A	ON/A	ON/A	ON/A	ON/A	0	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	ON/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	20	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-235	20	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-235	20	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-235	20	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-235	20	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-235	20	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	66000	#N/A	#N/A	0	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-235	20	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-235	20	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
URANIUM-235	20	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
URANIUM-235	20	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-235	20	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
URANIUM-235	20	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-235	20	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-235	50	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	50	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-235	50	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-235	50	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-235	50	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-235	50	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-235	50	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8831	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-235	50	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
URANIUM-235	50	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
URANIUM-235	50	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-235	50	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
URANIUM-235	50	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-235	50	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-235	60	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	60	ANTIMONY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	CONDUCTANCE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-235	60	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	60	CYANIDE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	DEPTH-BELOW-LAN	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-235	60	DISSOLVED-OXYGE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-235	60	DISSOLVED-SOLID	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-235	60	HARDNESS	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-235	60	IRON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	NITRATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.036	180	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	PH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-235	60	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
URANIUM-235	60	RADON	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
URANIUM-235	60	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-235	60	SELENIUM	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	SULFATE	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
URANIUM-235	60	TURBIDITY	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-235	60	WELL-DEPTH	GROUND WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-238	0	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	0	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-238	0	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-238	0	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-238	0	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-238	0	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-238	0	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	0	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-238	0	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-238	0	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6804	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-238	0	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-238	0	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-238	0	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-238	0	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-238	0	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-238	0	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-238	5	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	5	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
URANIUM-238	5	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-238	5	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-238	5	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-238	5	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-238	5	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-238	5	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-238	5	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-238	5	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	5	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.6631	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-238	5	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-238	5	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
URANIUM-238	5	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140669	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-238	5	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-238	5	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
URANIUM-238	5	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
URANIUM-238	5	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-238	5	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
URANIUM-238	5	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-238	5	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	66.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-238	20	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	20	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102885	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-238	20	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-238	20	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-238	20	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-238	20	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	20	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	20	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	157	504.8631	1439.597	79264	10	12000	0N/A	0N/A	0	
URANIUM-238	20	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	1300	746.6604	1671.579	970659	1	13000	0N/A	0N/A	0	
URANIUM-238	20	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	0N/A	0N/A	0N/A	0N/A	0N/A	368	9.605978	2.167299	3535	1	20	0N/A	0N/A	0	
URANIUM-238	20	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	20	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	0N/A	0N/A	0N/A	0N/A	0N/A	164	13.42847	18.68951	2202.269	0.038	180	0N/A	0N/A	0	
URANIUM-238	20	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	0N/A	0N/A	0N/A	0N/A	0N/A	805	0.029575	0.140689	23.808	0.01	2.9	0N/A	0N/A	0	
URANIUM-238	20	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	20	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2390	5.851039	0.623241	13984	3	11.3	0N/A	0N/A	0	
URANIUM-238	20	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	29	52.72414	24.31034	1529	20	120	0N/A	0N/A	0	
URANIUM-238	20	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	58	5779.828	8104.887	335230	200	39000	0N/A	0N/A	0	
URANIUM-238	20	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	57	1	0	57	1	1	0N/A	0N/A	0	
URANIUM-238	20	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	20	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	0N/A	0N/A	0N/A	0N/A	0N/A	1143	15.11214	20.20626	17273	0.1	500	0N/A	0N/A	0	
URANIUM-238	20	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	0N/A	0N/A	0N/A	0N/A	0N/A	294	21.29973	107.3283	6262.12	0.1	1000	0N/A	0N/A	0	
URANIUM-238	20	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	3055	80.69675	86.32936	246529	1.5	1000	0N/A	0N/A	0	
URANIUM-238	50	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	54	1	0	54	1	1	0N/A	0N/A	0	
URANIUM-238	50	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	88	1.181818	1.119785	104	1	11	0N/A	0N/A	0	
URANIUM-238	50	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	0N/A	0N/A	0N/A	0N/A	0N/A	21	165.381	218.782	3473	1	710	0N/A	0N/A	0	
URANIUM-238	50	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	24.11328	50.57306	9259.5	2	420	0N/A	0N/A	0	
URANIUM-238	50	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	0.55182	0.15157	211.9	0.5	1.5	0N/A	0N/A	0	
URANIUM-238	50	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	0N/A	0N/A	0N/A	0N/A	0N/A	384	1.102865	0.423484	423.5	1	5	0N/A	0N/A	0	
URANIUM-238	50	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	0N/A	0N/A	0N/A	0N/A	0N/A	381	76.9874	1398.35	29332	1	27300	0N/A	0N/A	0	
URANIUM-238	50	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	0N/A	0N/A	0N/A	0N/A	0N/A	2444	191.2581	235.3253	467435	20	6070	0N/A	0N/A	0	
URANIUM-238	50	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	10	0.01	0	0.1	0.01	0.01	0N/A	0N/A	0	
URANIUM-238	50	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	0N/A	0N/A	0N/A	0N/A	0N/A	296	140105	2410103	41470995	1.22	41465000	0N/A	0N/A	0	
URANIUM-238	50	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	0N/A	0N/A	0	
URANIUM-238	50	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	718	165.5272	259.2981	118849	17	4000	0N/A	0N/A	0	
URANIUM-238	50	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	0N/A	0N/A	0N/A	0N/A	0N/A	933	94.67899	176.9992	88336	3	2500	0N/A	0N/A	0	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	157	6095.796	15060	957040	10	86000	0N/A	0N/A	0	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	0N/A	0N/A	0N/A	0N/A	0N/A	1368	841.5009	4078.394	1151173	3	59600	0N/A	0N/A	0	
URANIUM-238	50	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	
URANIUM-238	50	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	0N/A	0N/A	0N/A	0N/A	0N/A	0	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	50	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-238	50	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
URANIUM-238	50	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
URANIUM-238	50	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-238	50	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
URANIUM-238	50	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-238	50	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	88.32936	246529	1.5	1000	#N/A	#N/A	0	
URANIUM-238	60	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	60	ANTIMONY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	88	1.181818	1.119785	104	1	11	#N/A	#N/A	0	
URANIUM-238	60	ARSENIC	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	21	165.381	218.782	3473	1	710	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	24.11328	50.57306	9259.5	2	420	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	0.55182	0.15157	211.9	0.5	1.5	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	384	1.102865	0.423484	423.5	1	5	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	381	76.9874	1398.35	29332	1	27300	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	CONDUCTANCE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2444	191.2581	235.3253	467435	20	6070	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	10	0.01	0	0.1	0.01	0.01	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	DEPTH-BELOW-LAN	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72019	DEPTH BELOW LAND-P72019 (FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	296	140105	2410103	41470995	1.22	41465000	#N/A	#N/A	0	
URANIUM-238	60	DISSOLVED-OXYGE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1139	4.920281	4.112258	5604.2	0.1	16.1	#N/A	#N/A	0	
URANIUM-238	60	DISSOLVED-SOLID	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	718	165.5272	259.2981	118849	17	4000	#N/A	#N/A	0	
URANIUM-238	60	HARDNESS	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	933	94.67899	176.9992	88336	3	2500	#N/A	#N/A	0	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	6095.796	15060	957040	10	86000	#N/A	#N/A	0	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1368	841.5009	4078.394	1151173	3	59600	#N/A	#N/A	0	
URANIUM-238	60	IRON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	157	504.8631	1439.597	79264	10	12000	#N/A	#N/A	0	

Appendix F-threshold. Region 1 (ground water)

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	60	MANGANESE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1300	746.6604	1671.579	970659	1	13000	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	368	9.605978	2.167299	3535	1	20	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	NITRATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	164	13.42847	18.68951	2202.269	0.038	180	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	805	0.029575	0.140689	23.808	0.01	2.9	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	PH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2390	5.851039	0.823241	13984	3	11.3	#N/A	#N/A	0	
URANIUM-238	60	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	29	52.72414	24.31034	1529	20	120	#N/A	#N/A	0	
URANIUM-238	60	RADON	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	58	5779.828	8104.887	335230	200	39000	#N/A	#N/A	0	
URANIUM-238	60	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	57	1	0	57	1	1	#N/A	#N/A	0	
URANIUM-238	60	SELENIUM	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	SULFATE	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1143	15.11214	20.20626	17273	0.1	500	#N/A	#N/A	0	
URANIUM-238	60	TURBIDITY	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	294	21.29973	107.3283	6262.12	0.1	1000	#N/A	#N/A	0	
URANIUM-238	60	WELL-DEPTH	GROUND WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	3055	80.69675	86.32936	246529	1.5	1000	#N/A	#N/A	0	
WELL-DEPTH	0	ALKALINITY	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3055	80.69675	86.32936	246529	1.5	1000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
WELL-DEPTH	0	CONDUCTANCE	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3055	80.69675	86.32936	246529	1.5	1000	2444	191.2581	235.3253	467435	20	6070	-0.14629	0.0001	2342	*
WELL-DEPTH	0	DEPTH-BELOW-LAN	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3055	80.69675	86.32936	246529	1.5	1000	296	140105	2410103	41470995	1.22	41465000	0.02776	0.6344	296	
WELL-DEPTH	0	DISSOLVED-OXYGE	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3055	80.69675	86.32936	246529	1.5	1000	1139	4.920281	4.112258	5604.2	0.1	16.1	-0.16786	0.0001	1100	*
WELL-DEPTH	0	PH	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3055	80.69675	86.32936	246529	1.5	1000	2390	5.851039	0.823241	13984	3	11.3	0.18388	0.0001	2303	*
WELL-DEPTH	0	TURBIDITY	GROUND WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00076	TURBIDITY-P00076-(NTU)	3055	80.69675	86.32936	246529	1.5	1000	294	21.29973	107.3283	6262.12	0.1	1000	0.07441	0.2291	263	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ALKALINITY	0	CONDUCTANCE	SURFACE WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
ALKALINITY	0	TURBIDITY	SURFACE WATER	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3.508161	3747.13	0 1	43	#N/A	#N/A	0	
ANTIMONY	0	ALKALINITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	ALKALINITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	927	1 011866	0 15177	938	1	3 8	1082	25 5403	28 85104	27635	3	270	0 04271	0 1939	927	
ANTIMONY	0	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	927	1 011866	0 15177	938	1	3 8	1	100	#N/A	100	100	100	#N/A	#N/A	1	
ANTIMONY	0	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	1	#N/A	1	1	1	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	1	
ANTIMONY	0	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	1	#N/A	1	1	1	1	100	#N/A	100	100	100	#N/A	#N/A	1	
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	927	1 01187	0 15177	938	1	3 8	929	0 99785	0 04637	927	0 5	1 5	0 0021	0 9491	927	
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	927	1 01187	0 15177	938	1	3 8	1	10	#N/A	10	10	10	#N/A	#N/A	1	
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	1	#N/A	1	1	1	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	1	
ANTIMONY	0	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	1	#N/A	1	1	1	1	10	#N/A	10	10	10	#N/A	#N/A	1	
ANTIMONY	0	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	927	1 011866	0.15177	938	1	3 8	1234	0 999664	0 135368	1233.585	0 1	3	-0 00555	0.8659	927	
ANTIMONY	0	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	927	1 011866	0 15177	938	1	3 8	331	1 009063	0 094913	334	1	2	#N/A	#N/A	102	
ANTIMONY	0	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	1	#N/A	1	1	1	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	1	
ANTIMONY	0	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	1	#N/A	1	1	1	331	1 009063	0 094913	334	1	2	#N/A	#N/A	1	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	927	1 011866	0 15177	938	1	3 8	1231	1 346791	4 170651	1657.9	1	116	-0 00821	0 8503	927	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	927	1 011866	0 15177	938	1	3 8	331	2 468278	5 341778	817	1	73	#N/A	#N/A	102	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	1	#N/A	1	1	1	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	1	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	1	#N/A	1	1	1	331	2 468278	5 341778	817	1	73	#N/A	#N/A	1	
ANTIMONY	0	CONDUCTANCE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	927	1 011866	0 15177	938	1	3 8	5930	220 8052	874 9516	1309375	3	38700	0 11285	0 0006	922	*
ANTIMONY	0	CONDUCTANCE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	1	#N/A	1	1	1	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	1	
ANTIMONY	0	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	927	1 011866	0 15177	938	1	3 8	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	5	
ANTIMONY	0	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	1	#N/A	1	1	1	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ANTIMONY	0	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	DEPTH-BELOW-LAN	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	DEPTH-BELOW-LAN	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	DISSOLVED-OXYGE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	927	1 011866	0 15177	938	1	3 8	2381	10 08867	2 848372	24021	0 5	15 9	-0 06897	0 0375	910	*
ANTIMONY	0	DISSOLVED-OXYGE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	1	#N/A	1	1	1	2381	10 08867	2.848372	24021	0 5	15 9	#N/A	#N/A	1	
ANTIMONY	0	DISSOLVED-SOLID	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	927	1 011866	0 15177	938	1	3 8	1950	129 6248	529 4958	252768	10	23100	0 12431	0 0002	891	*
ANTIMONY	0	DISSOLVED-SOLID	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	1	#N/A	1	1	1	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	1	
ANTIMONY	0	HARDNESS	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	927	1 011866	0.15177	938	1	3 8	2005	59 04684	115 1687	118389	3	4500	0 13652	0 0001	912	*
ANTIMONY	0	HARDNESS	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	1	#N/A	1	1	1	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	1	
ANTIMONY	0	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	927	1 011866	0.15177	938	1	3 8	359	567 7716	942 462	203830	100	16000	-0 02592	0 7697	130	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	0	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	927	1 011866	0 15177	938	1	3 8	1935	135 4852	151 6656	262164	3	3743 833	0 05794	0 0822	901	
ANTIMONY	0	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	1	#N/A	1	1	1	359	567.7716	942 462	203830	100	16000	#N/A	#N/A	1	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	1	#N/A	1	1	1	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	1	
ANTIMONY	0	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	927	1 01187	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	927	1 01187	0.15177	938	1	3 8	82	126 3049	59 55653	10357	30	280	0 26452	0 1655	29	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	927	1 01187	0 15177	938	1	3 8	1956	47 48958	58 98357	92890	1	1226 333	0 05655	0 0853	927	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	1	#N/A	1	1	1	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	1	
ANTIMONY	0	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	1	#N/A	1	1	1	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	1	
ANTIMONY	0	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	927	1 011866	0 15177	938	1	3 8	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
ANTIMONY	0	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	927	1 011866	0 15177	938	1	3 8	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	31	
ANTIMONY	0	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	1	#N/A	1	1	1	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
ANTIMONY	0	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	1	#N/A	1	1	1	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	1	
ANTIMONY	0	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	927	1 011866	0 15177	938	1	3 8	1360	2 680221	4 271872	3645 1	1	66	0 02062	0 5306	927	
ANTIMONY	0	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	927	1 011866	0 15177	938	1	3 8	331	4 980383	5 31696	1648 5	1	44	#N/A	#N/A	102	
ANTIMONY	0	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	1	#N/A	1	1	1	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	1	
ANTIMONY	0	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	1	#N/A	1	1	1	331	4 980383	5 31696	1648 5	1	44	#N/A	#N/A	1	
ANTIMONY	0	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	927	1 011866	0 15177	938	1	3 8	2217	0 036188	0 086265	80 22983	0 01	1 9	0 02594	0 431	924	
ANTIMONY	0	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	927	1 011866	0 15177	938	1	3 8	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ANTIMONY	0	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	1	#N/A	1	1	1	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	1	
ANTIMONY	0	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	1	#N/A	1	1	1	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ANTIMONY	0	PH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	927	1 011866	0 15177	938	1	3 8	2481	7 19447	0 670099	17849	4	11 8	0 00346	0 9164	923	
ANTIMONY	0	PH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	1	#N/A	1	1	1	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	1	
ANTIMONY	0	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	927	1 011866	0.15177	938	1	3 8	187	1	0	187	1	1	#N/A	#N/A	34	
ANTIMONY	0	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	927	1 011866	0 15177	938	1	3 8	54	1	0	54	1	1	#N/A	#N/A	1	
ANTIMONY	0	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	1	#N/A	1	1	1	187	1	0	187	1	1	#N/A	#N/A	1	
ANTIMONY	0	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	1	#N/A	1	1	1	54	1	0	54	1	1	#N/A	#N/A	1	
ANTIMONY	0	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	927	1 011866	0 15177	938	1	3 8	2	0 5	0	1	0 5	0 5	#N/A	#N/A	2	
ANTIMONY	0	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	927	1 011866	0 15177	938	1	3 8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	1	#N/A	1	1	1	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ANTIMONY	0	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	1	#N/A	1	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	0	TURBIDITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	927	1 011866	0 15177	938	1	3 8	1376	2 723205	3 508161	3747 13	0 1	43	-0 00597	0 8838	828	
ANTIMONY	0	TURBIDITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	1	1	#N/A	1	1	1	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ANTIMONY	0	WELL-DEPTH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	927	1 011866	0 15177	938	1	3 8	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ANTIMONY	0	WELL-DEPTH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	1	1	#N/A	1	1	1	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	ARSENIC	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
ANTIMONY	6	ARSENIC	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	BARIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
ANTIMONY	6	BERYLLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
ANTIMONY	6	CADMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CHROMIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
ANTIMONY	6	CONDUCTANCE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
ANTIMONY	6	CONDUCTANCE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
ANTIMONY	6	CYANIDE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-OXYGE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-OXYGE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-SOLID	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
ANTIMONY	6	DISSOLVED-SOLID	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
ANTIMONY	6	HARDNESS	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
ANTIMONY	6	HARDNESS	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
ANTIMONY	6	IRON	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
ANTIMONY	6	MANGANESE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
ANTIMONY	6	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
ANTIMONY	6	MERCURY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
ANTIMONY	6	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
ANTIMONY	6	MERCURY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
ANTIMONY	6	NICKEL	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
ANTIMONY	6	NITRATE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
ANTIMONY	6	NITRATE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
ANTIMONY	*6*	*NITRITE*	*SURFACE WATER*	*P01095*	*ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)*	*P00613*	*NITROGEN-NITRITE-P00613-(MG/L AS N)*	*0*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*#N/A*	*2217*	*0 036188*	*0 086265*	*80 22983*	*0 01*	*1 9*	*#N/A*	*#N/A*	*0*	
ANTIMONY	6	NITRITE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
ANTIMONY	6	NITRITE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ANTIMONY	6	PH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
ANTIMONY	6	PH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
ANTIMONY	6	RADIUM-226	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ANTIMONY	6	SELENIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ANTIMONY	6	SULFATE	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
ANTIMONY	6	SULFATE	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
ANTIMONY	6	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ANTIMONY	6	THALLIUM	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ANTIMONY	6	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ANTIMONY	6	THALLIUM	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ANTIMONY	6	TURBIDITY	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ANTIMONY	6	TURBIDITY	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
ANTIMONY	6	WELL-DEPTH	SURFACE WATER	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ANTIMONY	6	WELL-DEPTH	SURFACE WATER	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ARSENIC	0	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	72	1 319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	33	1 212121	0 545297	40	1	3	927	1 011866	0 15177	938	1	3 8	0 25938	0 1449	33	
ARSENIC	0	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	33	1 212121	0 545297	40	1	3	1	1	#N/A	1	1	1	#N/A	#N/A	1	
ARSENIC	0	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	72	1 319444	0 62408	95	1	4	927	1 011866	0 15177	938	1	3 8	0 47563	0 0396	19	*
ARSENIC	0	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	72	1 319444	0 62408	95	1	4	1	1	#N/A	1	1	1	#N/A	#N/A	1	
ARSENIC	0	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	33	1 212121	0 545297	40	1	3	1082	25 5403	28 85104	27635	3	270	-0 10266	0 5697	33	
ARSENIC	0	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	33	1 212121	0 545297	40	1	3	1	100	#N/A	100	100	100	#N/A	#N/A	1	
ARSENIC	0	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	72	1 319444	0 62408	95	1	4	1082	25 5403	28 85104	27635	3	270	0 08428	0 7164	21	
ARSENIC	0	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	72	1 319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	72	1 319444	0 62408	95	1	4	1	100	#N/A	100	100	100	#N/A	#N/A	1	
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	33	1 21212	0 5453	40	1	3	929	0 99785	0 04637	927	0 5	1 5	0 05672	0 7539	33	
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	33	1 21212	0 5453	40	1	3	1	10	#N/A	10	10	10	#N/A	#N/A	1	
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	72	1 31944	0 62408	95	1	4	929	0 99785	0 04637	927	0 5	1 5	-0 04167	0 8615	20	
ARSENIC	0	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	72	1 31944	0 62408	95	1	4	1	10	#N/A	10	10	10	#N/A	#N/A	1	
ARSENIC	0	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	33	1 212121	0 545297	40	1	3	1234	0 999664	0 135368	1233 585	0 1	3	-0 08755	0 6281	33	
ARSENIC	0	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	33	1 212121	0 545297	40	1	3	331	1 009063	0 094913	334	1	2	#N/A	#N/A	1	
ARSENIC	0	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	72	1 319444	0 62408	95	1	4	1234	0 999664	0 135368	1233 585	0 1	3	-0 04363	0 8551	20	
ARSENIC	0	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	72	1 319444	0 62408	95	1	4	331	1 009063	0 094913	334	1	2	#N/A	#N/A	54	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	33	1 212121	0 545297	40	1	3	1231	1 346791	4.170651	1657.9	1	116	-0 13751	0 4454	33	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	33	1 212121	0 545297	40	1	3	331	2 468278	5 341778	817	1	73	#N/A	#N/A	1	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	72	1 319444	0 62408	95	1	4	1231	1 346791	4.170651	1657 9	1	116	0 13324	0 5755	20	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	72	1.319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	72	1 319444	0 62408	95	1	4	331	2 468278	5 341778	817	1	73	0.14581	0 2928	54	
ARSENIC	0	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	33	1.212121	0 545297	40	1	3	5930	220 8052	874 9516	1309375	3	38700	-0 04411	0 8137	31	
ARSENIC	0	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	72	1 319444	0 62408	95	1	4	5930	220 8052	874 9516	1309375	3	38700	0 38024	0 001	72	*
ARSENIC	0	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	33	1 212121	0 545297	40	1	3	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	5	
ARSENIC	0	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	72	1.319444	0 62408	95	1	4	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	0	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	72	1 319444	0.62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	DEPTH-BELOW-LAN	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	33	1.212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	DEPTH-BELOW-LAN	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	72	1.319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	33	1 212121	0 545297	40	1	3	2381	10 08867	2 848372	24021	0 5	15 9	-0 29982	0 1287	27	
ARSENIC	0	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	72	1.319444	0 62408	95	1	4	2381	10 08867	2 848372	24021	0 5	15 9	-0 15058	0 2067	72	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	33	1 212121	0 545297	40	1	3	1950	129 6248	529 4958	252768	10	23100	-0 09238	0 6985	20	
ARSENIC	0	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	72	1 319444	0 62408	95	1	4	1950	129 6248	529 4958	252768	10	23100	0 38611	0 0424	28	*
ARSENIC	0	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900- (MG/L AS CAO3)	33	1 212121	0 545297	40	1	3	2005	59 04684	115 1687	118389	3	4500	0 19907	0 387	21	
ARSENIC	0	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900- (MG/L AS CAO3)	72	1 319444	0 62408	95	1	4	2005	59 04684	115 1687	118389	3	4500	0 18201	0 3539	28	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01044	IRON-SUSPENDED-P01044- (UG/L AS FE)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	33	1 212121	0 545297	40	1	3	359	567 7716	942 462	203830	100	16000	0 07446	0 7235	25	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01046	IRON-DISSOLVED-P01046- (UG/L AS FE)	33	1 212121	0 545297	40	1	3	1935	135 4852	151 6656	262164	3	3743 833	-0 02457	0 95	9	
ARSENIC	0	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01047	IRON-FERROUS-P01047- (UG/L)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01044	IRON-SUSPENDED-P01044- (UG/L AS FE)	72	1 319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	72	1 319444	0 62408	95	1	4	359	567 7716	942 462	203830	100	16000	0 02766	0 8176	72	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01046	IRON-DISSOLVED-P01046- (UG/L AS FE)	72	1 319444	0 62408	95	1	4	1935	135 4852	151 6656	262164	3	3743 833	0 98474	0 1114	3	
ARSENIC	0	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01047	IRON-FERROUS-P01047- (UG/L)	72	1 319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	33	1 21212	0 5453	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055- (UG/L AS MN)	33	1 21212	0 5453	40	1	3	82	126 3049	59 55653	10357	30	280	0 25163	0 225	25	
ARSENIC	0	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	33	1 21212	0 5453	40	1	3	1956	47 48958	58 98357	92890	1	1226 333	0 05866	0 7458	33	
ARSENIC	0	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	72	1 31944	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055- (UG/L AS MN)	72	1 31944	0 62408	95	1	4	82	126 3049	59 55653	10357	30	280	0 16791	0 1586	72	
ARSENIC	0	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	72	1 31944	0 62408	95	1	4	1956	47 48958	58 98357	92890	1	1226 333	0 15854	0 4925	21	
ARSENIC	0	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	33	1 212121	0 545297	40	1	3	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
ARSENIC	0	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	33	1 212121	0 545297	40	1	3	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	27	
ARSENIC	0	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	72	1 319444	0 62408	95	1	4	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
ARSENIC	0	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	72	1 319444	0 62408	95	1	4	84	0 1	-0	8 4	0 1	0 1	#N/A	#N/A	72	
ARSENIC	0	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065- (UG/L AS NI)	33	1 212121	0 545297	40	1	3	1360	2 680221	4 271872	3645 1	1	66	0 04155	0 8184	33	
ARSENIC	0	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	33	1 212121	0 545297	40	1	3	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	1	
ARSENIC	0	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065- (UG/L AS NI)	72	1.319444	0 62408	95	1	4	1360	2 680221	4 271872	3645.1	1	66	0 62241	0 0026	21	*
ARSENIC	0	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	72	1 319444	0 62408	95	1	4	331	4 980363	5 31696	1648 5	1	44	0 15903	0 2507	54	
ARSENIC	0	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618- (MG/L AS N)	33	1 212121	0.545297	40	1	3	1320	1 487203	1 696986	1963 108	0 048	21	0 19903	0 3745	22	
ARSENIC	0	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618- (MG/L AS N)	72	1.319444	0.62408	95	1	4	1320	1.487203	1 696986	1963 108	0 048	21	0 33409	0 0075	63	*
ARSENIC	0	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613- (MG/L AS N)	33	1 212121	0 545297	40	1	3	2217	0 036188	0 086265	80 22983	0 01	1 9	0 05059	0 7798	33	
ARSENIC	0	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615- (MG/L AS N)	33	1.212121	0.545297	40	1	3	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ARSENIC	0	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613- (MG/L AS N)	72	1.319444	0 62408	95	1	4	2217	0 036188	0 086265	80 22983	0 01	1 9	-0 09572	0 4300	70	
ARSENIC	0	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615- (MG/L AS N)	72	1 319444	0 62408	95	1	4	73	0 035479	0 034763	2 59	0 01	0 22	1	#N/A	2	
ARSENIC	0	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00400	PH WH-FIELD-P00400- (STANDARD UNITS)	33	1 212121	0.545297	40	1	3	2481	7 19447	0 670099	17849	4	11 8	0 2809	0 1258	31	
ARSENIC	0	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P00400	PH WH-FIELD-P00400- (STANDARD UNITS)	72	1.319444	0 62408	95	1	4	2481	7 19447	0 670099	17849	4	11 8	0 18017	0 1299	72	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	33	1 212121	0 545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	33	1 212121	0.545297	40	1	3	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	33	1 212121	0 545297	40	1	3	11	0 018364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	72	1 319444	0 62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	72	1 319444	0 62408	95	1	4	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
ARSENIC	0	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002- (UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	72	1.319444	0.62408	95	1	4	11	0 018364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	0	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	33	1.212121	0.545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	33	1.212121	0.545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	72	1.319444	0.62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	72	1.319444	0.62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	33	1.212121	0.545297	40	1	3	187	1	0	187	1	1	#N/A	#N/A	33	
ARSENIC	0	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	33	1.212121	0.545297	40	1	3	54	1	0	54	1	1	#N/A	#N/A	1	
ARSENIC	0	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	72	1.319444	0.62408	95	1	4	187	1	0	187	1	1	#N/A	#N/A	20	
ARSENIC	0	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	72	1.319444	0.62408	95	1	4	54	1	0	54	1	1	#N/A	#N/A	54	
ARSENIC	0	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	33	1.212121	0.545297	40	1	3	2039	15.0177	38.42249	30621	0.5	1700	0.47116	0.0311	21	*
ARSENIC	0	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	72	1.319444	0.62408	95	1	4	2039	15.0177	38.42249	30621	0.5	1700	0.44873	0.0166	28	*
ARSENIC	0	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	33	1.212121	0.545297	40	1	3	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
ARSENIC	0	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	33	1.212121	0.545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	72	1.319444	0.62408	95	1	4	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
ARSENIC	0	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	72	1.319444	0.62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	33	1.212121	0.545297	40	1	3	1376	2.723205	3.508161	3747.13	0.1	43	-0.14703	0.616	14	.
ARSENIC	0	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	72	1.319444	0.62408	95	1	4	1376	2.723205	3.508161	3747.13	0.1	43	0.47045	0.0133	27	*
ARSENIC	0	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	33	1.212121	0.545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	72	1.319444	0.62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	33	1.212121	0.545297	40	1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	72	1.319444	0.62408	95	1	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	0	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	33	1.212121	0.545297	40	1	3	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
ARSENIC	0	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	72	1.319444	0.62408	95	1	4	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
ARSENIC	2	ALKALINITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	ALKALINITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	5	2.4	0.547723	12	2	3	927	1.011866	0.15177	938	1	3.8	-0.40825	0.495	5	
ARSENIC	2	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	5	2.4	0.547723	12	2	3	1	1	#N/A	1	1	1	#N/A	#N/A	0	.
ARSENIC	2	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	18	2.277778	0.574513	41	2	4	927	1.011866	0.15177	938	1	3.8	0.17408	0.8259	4	
ARSENIC	2	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	18	2.277778	0.574513	41	2	4	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	2	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	5	2.4	0.547723	12	2	3	1082	25.5403	28.85104	27635	3	270	0.63271	0.252	5	
ARSENIC	2	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	5	2.4	0.547723	12	2	3	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	2	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	18	2.277778	0.574513	41	2	4	1082	25.5403	28.85104	27635	3	270	0.406	0.4245	6	
ARSENIC	2	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	18	2.277778	0.574513	41	2	4	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	5	2.4	0.54772	12	2	3	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	5	
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	5	2.4	0.54772	12	2	3	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	18	2.27778	0.57451	41	2	4	929	0.99785	0.04637	927	0.5	1.5	0.375	0.534	5	
ARSENIC	2	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	18	2.27778	0.57451	41	2	4	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	2	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	5	2.4	0.547723	12	2	3	1234	0.999684	0.135368	1233.585	0.1	3	0.77277	0.1255	5	
ARSENIC	2	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	5	2.4	0.547723	12	2	3	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	18	2 277778	0 574513	41	2	4	1234	0 999684	0 135368	1233 585	0 1	3	-0 09503	0 8792	5	
ARSENIC	2	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	18	2 277778	0 574513	41	2	4	331	1 009063	0 094913	334	1	2	#N/A	#N/A	14	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	5	2 4	0 547723	12	2	3	1231	1 346791	4.170651	1657 9	1	116	0 35687	0 5555	5	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	5	2 4	0 547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	5	2 4	0 547723	12	2	3	331	2.468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	18	2 277778	0 574513	41	2	4	1231	1 346791	4 170651	1657 9	1	116	-0 25787	0 6753	5	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	18	2 277778	0 574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	18	2 277778	0 574513	41	2	4	331	2 468278	5 341778	817	1	73	-0 24073	0 4071	14	
ARSENIC	2	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5	2 4	0 547723	12	2	3	5930	220 8052	874 9516	1309375	3	38700	-0 42147	0 4797	5	
ARSENIC	2	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	18	2 277778	0 574513	41	2	4	5930	220 8052	874 9516	1309375	3	38700	0 4109	0 0903	18	
ARSENIC	2	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	5	2 4	0 547723	12	2	3	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	2	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	5	2 4	0 547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	18	2 277778	0 574513	41	2	4	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	2	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	18	2 277778	0 574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	DEPTH-BELOW-LAN	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5	2 4	0 547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	DEPTH-BELOW-LAN	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72019	DEPTH BELOW LAND-P72019-(FEET)	18	2 277778	0 574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5	2 4	0 547723	12	2	3	2381	10 08867	2 848372	24021	0 5	15 9	-0 09315	0 8816	5	
ARSENIC	2	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	18	2 277778	0 574513	41	2	4	2381	10 08867	2 848372	24021	0 5	15 9	-0 36618	0 135	18	
ARSENIC	2	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5	2 4	0 547723	12	2	3	1950	129 6248	529 4958	252768	10	23100	0 99955	0 019	3	*
ARSENIC	2	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	18	2 277778	0 574513	41	2	4	1950	129 6248	529 4958	252768	10	23100	0 45663	0 2554	8	
ARSENIC	2	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5	2 4	0 547723	12	2	3	2005	59 04684	115 1687	118389	3	4500	0 60999	0 5823	3	
ARSENIC	2	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	18	2 277778	0 574513	41	2	4	2005	59 04684	115 1687	118389	3	4500	0 67184	0 068	8	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	5	2 4	0 547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5	2 4	0 547723	12	2	3	359	567.7716	942 462	203830	100	16000	-0 41138	0 5886	4	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	5	2 4	0 547723	12	2	3	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	1	
ARSENIC	2	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	5	2 4	0 547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	18	2 277778	0 574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	18	2 277778	0 574513	41	2	4	359	567.7716	942 462	203830	100	16000	-0 63585	0 0046	18	*
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	18	2 277778	0 574513	41	2	4	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	2	
ARSENIC	2	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	18	2 277778	0 574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	5	2 4	0 54772	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	5	2 4	0 54772	12	2	3	82	126 3049	59.55653	10357	30	280	-0 98321	0 0168	4	*
ARSENIC	2	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	5	2 4	0 54772	12	2	3	1956	47 48958	58 98357	92890	1	1226 333	-0 07884	0 8997	5	
ARSENIC	2	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	18	2 27778	0 57451	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	18	2 27778	0 57451	41	2	4	82	126 3049	59 55653	10357	30	280	0 0615	0 8085	18	
ARSENIC	2	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	18	2 27778	0 57451	41	2	4	1956	47.48958	58 98357	92890	1	1226 333	-0 5799	0 2277	6	
ARSENIC	2	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	5	2.4	0 547723	12	2	3	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
ARSENIC	2	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	5	2 4	0 547723	12	2	3	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	5	
ARSENIC	2	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	18	2 277778	0 574513	41	2	4	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
ARSENIC	2	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	18	2 277778	0 574513	41	2	4	84	0.1	0	8 4	0 1	0 1	#N/A	#N/A	18	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	2	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	5	2.4	0.547723	12	2	3	1360	2.680221	4.271872	3645.1	1	66	-0.04558	0.942	5	
ARSENIC	2	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5	2.4	0.547723	12	2	3	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
ARSENIC	2	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	18	2.277778	0.574513	41	2	4	1360	2.680221	4.271872	3645.1	1	66	0.42519	0.4007	6	
ARSENIC	2	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	18	2.277778	0.574513	41	2	4	331	4.980363	5.31696	1648.5	1	44	0.46193	0.0963	14	
ARSENIC	2	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	5	2.4	0.547723	12	2	3	1320	1.487203	1.696986	1963.108	0.048	21	-0.05475	0.9303	5	
ARSENIC	2	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	18	2.277778	0.574513	41	2	4	1320	1.487203	1.696986	1963.108	0.048	21	0.0666	0.8064	16	
ARSENIC	2	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	5	2.4	0.547723	12	2	3	2217	0.036188	0.088265	80.22983	0.01	1.9	-0.96624	0.0074	5	*
ARSENIC	2	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	5	2.4	0.547723	12	2	3	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
ARSENIC	2	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	18	2.277778	0.574513	41	2	4	2217	0.036188	0.088265	80.22983	0.01	1.9	-0.30645	0.2316	17	
ARSENIC	2	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	18	2.277778	0.574513	41	2	4	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	1	
ARSENIC	2	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	5	2.4	0.547723	12	2	3	2481	7.19447	0.670099	17849	4	11.8	0.86603	0.0577	5	
ARSENIC	2	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	18	2.277778	0.574513	41	2	4	2481	7.19447	0.670099	17849	4	11.8	0.0607	0.8109	18	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	5	2.4	0.547723	12	2	3	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	5	2.4	0.547723	12	2	3	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	18	2.277778	0.574513	41	2	4	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
ARSENIC	2	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	18	2.277778	0.574513	41	2	4	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
ARSENIC	2	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76002	RADON 222-PE-P76002-(PCI/L)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	RADON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	5	2.4	0.547723	12	2	3	187	1	0	187	1	1	#N/A	#N/A	5	
ARSENIC	2	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	5	2.4	0.547723	12	2	3	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	2	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	18	2.277778	0.574513	41	2	4	187	1	0	187	1	1	#N/A	#N/A	5	
ARSENIC	2	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	18	2.277778	0.574513	41	2	4	54	1	0	54	1	1	#N/A	#N/A	14	
ARSENIC	2	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	5	2.4	0.547723	12	2	3	2039	15.0177	38.42249	30621	0.5	1700	-0.9987	0.0324	3	*
ARSENIC	2	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	18	2.277778	0.574513	41	2	4	2039	15.0177	38.42249	30621	0.5	1700	0.30013	0.4701	8	
ARSENIC	2	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	5	2.4	0.547723	12	2	3	2	0.5	0	1	0.5	0.5	#N/A	#N/A	1	
ARSENIC	2	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	18	2.277778	0.574513	41	2	4	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
ARSENIC	2	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	5	2.4	0.547723	12	2	3	1376	2.723205	3.508161	3747.13	0.1	43	-0.99761	0.044	3	*
ARSENIC	2	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	18	2.277778	0.574513	41	2	4	1376	2.723205	3.508161	3747.13	0.1	43	0.06052	0.8868	8	
ARSENIC	2	URANIUM-235	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	URANIUM-235	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	URANIUM-238	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	5	2.4	0.547723	12	2	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	URANIUM-238	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	18	2.277778	0.574513	41	2	4	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	2	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	5	2.4	0.547723	12	2	3	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
ARSENIC	2	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	18	2.277778	0.574513	41	2	4	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
ARSENIC	5	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
ARSENIC	5	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
ARSENIC	5	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	5	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
ARSENIC	5	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	5	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
ARSENIC	5	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
ARSENIC	5	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
ARSENIC	5	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
ARSENIC	5	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
ARSENIC	5	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942.482	203830	100	16000	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
ARSENIC	5	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
ARSENIC	5	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
ARSENIC	5	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
ARSENIC	5	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
ARSENIC	5	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
ARSENIC	5	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
ARSENIC	5	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
ARSENIC	5	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
ARSENIC	5	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
ARSENIC	5	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
ARSENIC	5	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
ARSENIC	5	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
ARSENIC	5	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
ARSENIC	5	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ARSENIC	5	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
ARSENIC	5	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
ARSENIC	5	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
ARSENIC	5	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0.79	0 02	0 35	#N/A	#N/A	0	
ARSENIC	5	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ARSENIC	5	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	5	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	
ARSENIC	5	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	
ARSENIC	5	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ARSENIC	5	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	5	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ARSENIC	5	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	5	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ARSENIC	5	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ARSENIC	5	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20.5	20 5	#N/A	#N/A	0	
ARSENIC	5	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
ARSENIC	10	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 65104	27635	3	270	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 65104	27635	3	270	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
ARSENIC	10	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999684	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999684	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
ARSENIC	10	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	10	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
ARSENIC	10	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9518	1309375	3	38700	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	10	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08887	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
ARSENIC	10	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08887	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
ARSENIC	10	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
ARSENIC	10	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
ARSENIC	10	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
ARSENIC	10	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
ARSENIC	10	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
ARSENIC	10	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
ARSENIC	10	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
ARSENIC	10	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
ARSENIC	10	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
ARSENIC	10	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
ARSENIC	10	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980383	5.31696	1648.5	1	44	#N/A	#N/A	0	
ARSENIC	10	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
ARSENIC	10	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980383	5.31696	1648.5	1	44	#N/A	#N/A	0	
ARSENIC	10	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
ARSENIC	10	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
ARSENIC	10	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
ARSENIC	10	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
ARSENIC	10	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
ARSENIC	10	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
ARSENIC	10	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
ARSENIC	10	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
ARSENIC	10	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
ARSENIC	10	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ARSENIC	10	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	10	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ARSENIC	10	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	10	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0.5	1700	#N/A	#N/A	0	
ARSENIC	10	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0 5	0 5	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ARSENIC	10	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	10	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ARSENIC	10	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
ARSENIC	10	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ARSENIC	10	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20 5	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3 8	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
ARSENIC	20	ANTIMONY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	BARIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
ARSENIC	20	BERYLLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
ARSENIC	20	CADMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	CHROMIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
ARSENIC	20	CONDUCTANCE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
ARSENIC	20	CONDUCTANCE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
ARSENIC	20	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
ARSENIC	20	CYANIDE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
ARSENIC	20	CYANIDE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-OXYGE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-OXYGE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-SOLID	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
ARSENIC	20	DISSOLVED-SOLID	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
ARSENIC	20	HARDNESS	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
ARSENIC	20	HARDNESS	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
ARSENIC	20	IRON	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
ARSENIC	20	MANGANESE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
ARSENIC	20	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
ARSENIC	20	MERCURY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
ARSENIC	20	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
ARSENIC	20	MERCURY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
ARSENIC	20	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
ARSENIC	20	NICKEL	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
ARSENIC	20	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
ARSENIC	20	NICKEL	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
ARSENIC	20	NITRATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
ARSENIC	20	NITRATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
ARSENIC	20	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.088265	80.22983	0.01	1.9	#N/A	#N/A	0	
ARSENIC	20	NITRITE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
ARSENIC	20	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.088265	80.22983	0.01	1.9	#N/A	#N/A	0	
ARSENIC	20	NITRITE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
ARSENIC	20	PH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.6	#N/A	#N/A	0	
ARSENIC	20	PH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.6	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
ARSENIC	20	RADIUM-226	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 058429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
ARSENIC	20	RADIUM-226	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
ARSENIC	20	SELENIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
ARSENIC	20	SULFATE	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
ARSENIC	20	SULFATE	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
ARSENIC	20	THALLIUM	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
ARSENIC	20	TURBIDITY	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ARSENIC	20	TURBIDITY	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
ARSENIC	20	WELL-DEPTH	SURFACE WATER	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
ARSENIC	20	WELL-DEPTH	SURFACE WATER	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1082	25 5403	28 85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	ALKALINITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1082	25 5403	28 85104	27635	3	270	929	0 99785	0 04637	927	0 5	1.5	0 21492	0 0001	929	*
BARIUM	0	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1082	25 5403	28 85104	27635	3	270	1	10	#N/A	10	10	10	#N/A	#N/A	1	
BARIUM	0	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
BARIUM	0	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	100	#N/A	100	100	100	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	1	
BARIUM	0	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	100	#N/A	100	100	100	1	10	#N/A	10	10	10	#N/A	#N/A	1	
BARIUM	0	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1082	25 5403	28 85104	27635	3	270	1234	0.999664	0 135368	1233 585	0 1	3	0 23978	0 0001	956	*
BARIUM	0	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1082	25 5403	28 85104	27635	3	270	331	1 009063	0 094913	334	1	2	#N/A	#N/A	113	
BARIUM	0	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
BARIUM	0	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
BARIUM	0	CADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	100	#N/A	100	100	100	1234	0 999664	0 135368	1233 585	0.1	3	#N/A	#N/A	1	
BARIUM	0	CADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	100	#N/A	100	100	100	331	1 009063	0 094913	334	1	2	#N/A	#N/A	1	
BARIUM	0	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1082	25.5403	28 85104	27635	3	270	1231	1.346791	4 170651	1657 9	1	116	0 14876	0 0001	953	*
BARIUM	0	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1082	25 5403	28 85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1082	25 5403	28 85104	27635	3	270	331	2 468278	5 341778	817	1	73	0 24903	0 0078	113	*
BARIUM	0	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	100	#N/A	100	100	100	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	100	#N/A	100	100	100	331	2.468278	5.341778	817	1	73	#N/A	#N/A	1	
BARIUM	0	CONDUCTANCE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1082	25.5403	28.85104	27635	3	270	5930	220.8052	874.9516	1309375	3	38700	0.59023	0.0001	1077	*
BARIUM	0	CONDUCTANCE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
BARIUM	0	CONDUCTANCE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	100	#N/A	100	100	100	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	1	
BARIUM	0	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1082	25.5403	28.85104	27635	3	270	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	5	
BARIUM	0	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1082	25.5403	28.85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
BARIUM	0	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	100	#N/A	100	100	100	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
BARIUM	0	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1082	25.5403	28.85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1082	25.5403	28.85104	27635	3	270	2381	10.08867	2.848372	24021	0.5	15.9	-0.20195	0.0001	1060	*
BARIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	100	#N/A	100	100	100	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	1	
BARIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1082	25.5403	28.85104	27635	3	270	1950	129.6248	529.4958	252768	10	23100	0.61261	0.0001	1045	*
BARIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
BARIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	100	#N/A	100	100	100	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	1	
BARIUM	0	HARDNESS	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1082	25.5403	28.85104	27635	3	270	2005	59.04684	115.1687	118389	3	4500	0.58368	0.0001	1067	*
BARIUM	0	HARDNESS	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
BARIUM	0	HARDNESS	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	100	#N/A	100	100	100	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	1	
BARIUM	0	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1082	25.5403	28.85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1082	25.5403	28.85104	27635	3	270	359	567.7716	942.462	203830	100	16000	0.06456	0.4469	141	
BARIUM	0	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1082	25.5403	28.85104	27635	3	270	1935	135.4852	151.6656	262164	3	3743.833	0.02077	0.5002	1056	
BARIUM	0	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	1082	25.5403	28.85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	100	#N/A	100	100	100	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	1	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	100	#N/A	100	100	100	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	1	
BARIUM	0	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1082	25.5403	28.85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1082	25.5403	28.85104	27635	3	270	82	126.3049	59.55653	10357	30	280	-0.0091	0.9613	31	
BARIUM	0	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1082	25.5403	28.85104	27635	3	270	1958	47.48958	58.98357	92890	1	1226.333	0.46551	0.0001	1082	*
BARIUM	0	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	100	#N/A	100	100	100	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	1	
BARIUM	0	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	100	#N/A	100	100	100	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	1	
BARIUM	0	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1082	25.5403	28.85104	27635	3	270	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
BARIUM	0	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1082	25.5403	28.85104	27635	3	270	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	33	
BARIUM	0	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
BARIUM	0	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
BARIUM	0	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	100	#N/A	100	100	100	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
BARIUM	0	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	100	#N/A	100	100	100	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	1	
BARIUM	0	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1082	25.5403	28.85104	27635	3	270	1360	2.680221	4.271872	3645.1	1	66	0.2205	0.0001	1082	*
BARIUM	0	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1082	25.5403	28.85104	27635	3	270	331	4.980363	5.31696	1648.5	1	44	0.09984	0.2928	113	
BARIUM	0	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
BARIUM	0	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
BARIUM	0	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	100	#N/A	100	100	100	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	1	
BARIUM	0	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	100	#N/A	100	100	100	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	1	
BARIUM	0	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1082	25.5403	28.85104	27635	3	270	2217	0.036188	0.086265	80.22983	0.01	1.9	0.13466	0.0001	1079	*
BARIUM	0	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1082	25.5403	28.85104	27635	3	270	73	0.035479	0.034763	2.59	0.01	0.22	0.19921	0.4434	17	
BARIUM	0	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
BARIUM	0	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
BARIUM	0	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	100	#N/A	100	100	100	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	1	
BARIUM	0	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	100	#N/A	100	100	100	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
BARIUM	0	PH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1082	25.5403	28.85104	27635	3	270	2481	7.19447	0.670099	17849	4	11.8	0.1561	0.0001	1077	*
BARIUM	0	PH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
BARIUM	0	PH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	100	#N/A	100	100	100	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	1	
BARIUM	0	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1082	25.5403	28.85104	27635	3	270	187	1	0	187	1	1	#N/A	#N/A	187	
BARIUM	0	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1082	25.5403	28.85104	27635	3	270	54	1	0	54	1	1	#N/A	#N/A	3	
BARIUM	0	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
BARIUM	0	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BARIUM	0	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	100	#N/A	100	100	100	187	1	0	187	1	1	#N/A	#N/A	1	
BARIUM	0	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	100	#N/A	100	100	100	54	1	0	54	1	1	#N/A	#N/A	1	
BARIUM	0	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1082	25.5403	28.85104	27635	3	270	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
BARIUM	0	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1082	25.5403	28.85104	27635	3	270	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
BARIUM	0	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	100	#N/A	100	100	100	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
BARIUM	0	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	100	#N/A	100	100	100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	0	TURBIDITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	1082	25.5403	28.85104	27635	3	270	1376	2.723205	3.508161	3747.13	0.1	43	0.14001	0.0001	983	*
BARIUM	0	TURBIDITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
BARIUM	0	TURBIDITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	1	100	#N/A	100	100	100	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	0	WELL-DEPTH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	1082	25 5403	28 85104	27635	3	270	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BARIUM	0	WELL-DEPTH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BARIUM	0	WELL-DEPTH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	1	100	#N/A	100	100	100	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0.15177	938	1	3 8	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0.15177	938	1	3 8	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
BARIUM	2000	ANTIMONY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0.545297	40	1	3	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0.545297	40	1	3	#N/A	#N/A	0	
BARIUM	2000	ARSENIC	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
BARIUM	2000	BERYLLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
BARIUM	2000	CADMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5 341776	817	1	73	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341776	817	1	73	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CHROMIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341776	817	1	73	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
BARIUM	2000	CONDUCTANCE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	CYANIDE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
BARIUM	2000	CYANIDE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-OXYGE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
BARIUM	2000	DISSOLVED-SOLID	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
BARIUM	2000	HARDNESS	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
BARIUM	2000	IRON	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
BARIUM	2000	MANGANESE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
BARIUM	2000	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	MERCURY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
BARIUM	2000	NICKEL	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
BARIUM	2000	NITRATE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
BARIUM	2000	NITRATE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
BARIUM	2000	NITRATE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
BARIUM	2000	NITRITE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
BARIUM	2000	PH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
BARIUM	2000	PH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
BARIUM	2000	PH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P09511	RADIUM 228-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P09511	RADIUM 228-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P09511	RADIUM 228-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
BARIUM	2000	RADIUM-226	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
BARIUM	2000	SELENIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BARIUM	2000	SULFATE	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
BARIUM	2000	SULFATE	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
BARIUM	2000	SULFATE	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BARIUM	2000	THALLIUM	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
BARIUM	2000	THALLIUM	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
BARIUM	2000	TURBIDITY	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0.1	43	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	SURFACE WATER	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20.5	20 5	20 5	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	SURFACE WATER	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BARIUM	2000	WELL-DEPTH	SURFACE WATER	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BERYLLIUM	0	ALKALINITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	929	0 99785	0 04637	927	0 5	1 5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	ALKALINITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	929	0 99785	0 04637	927	0 5	1 5	1234	0 99966	0 13537	1233 585	0 1	3	0 07719	0 0186	929	*
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	929	0 99785	0 04637	927	0 5	1 5	331	1 00906	0 09491	334	1	2	#N/A	#N/A	103	
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	10	#N/A	10	10	10	1234	0 99966	0 13537	1233 585	0 1	3	#N/A	#N/A	1	
BERYLLIUM	0	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	10	#N/A	10	10	10	331	1 00906	0 09491	334	1	2	#N/A	#N/A	1	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	929	0 99785	0 04637	927	0 5	1.5	1231	1 34679	4 17065	1657 9	1	116	0 01375	0 6756	929	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	929	0 99785	0 04637	927	0 5	1 5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	929	0 99785	0 04637	927	0 5	1 5	331	2.46828	5 34178	817	1	73	0 03607	0 7175	103	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	10	#N/A	10	10	10	1231	1 34679	4 17065	1657 9	1	116	#N/A	#N/A	1	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	10	#N/A	10	10	10	331	2 46828	5 34178	817	1	73	#N/A	#N/A	1	
BERYLLIUM	0	CONDUCTANCE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	929	0 99785	0 04637	927	0 5	1 5	5930	220 8052	874 9516	1309375	3	38700	0 25139	0 0001	924	*
BERYLLIUM	0	CONDUCTANCE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	10	#N/A	10	10	10	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	1	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	929	0 99785	0 04637	927	0 5	1 5	5	0 01	0	0 05	0.01	0 01	#N/A	#N/A	5	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	929	0 99785	0 04637	927	0 5	1 5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	10	#N/A	10	10	10	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
BERYLLIUM	0	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	929	0 99785	0 04637	927	0 5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	929	0 99785	0 04637	927	0 5	1.5	2381	10 08867	2 84837	24021	0 5	15 9	0 04983	0 1329	911	
BERYLLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	10	#N/A	10	10	10	2381	10 08867	2 84837	24021	0 5	15 9	#N/A	#N/A	1	
BERYLLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	929	0 99785	0 04637	927	0 5	1.5	1950	129 6248	529 4958	252768	10	23100	0 23275	0 0001	893	*
BERYLLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	10	#N/A	10	10	10	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	1	
BERYLLIUM	0	HARDNESS	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	929	0 99785	0 04637	927	0 5	1 5	2005	59 04684	115.1687	118389	3	4500	0 03806	0 2504	914	
BERYLLIUM	0	HARDNESS	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	10	#N/A	10	10	10	2005	59 04684	115.1687	118389	3	4500	#N/A	#N/A	1	
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	929	0 99785	0 04637	927	0 5	1 5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	929	0 99785	0 04637	927	0 5	1 5	359	567.7716	942 462	203830	100	16000	0 01348	0 8786	131	
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	929	0 99785	0 04637	927	0 5	1 5	1935	135 4852	151 6656	262164	3	3743 833	-0 00297	0 929	903	
BERYLLIUM	0	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	929	0 99785	0 04637	927	0 5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	10	#N/A	10	10	10	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	1	
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	10	#N/A	10	10	10	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	1	
BERYLLIUM	0	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	929	0.99785	0.04637	927	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	929	0.99785	0.04637	927	0.5	1.5	82	126.3049	59.55653	10357	30	280	-0.35185	0.0566	30	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	929	0.99785	0.04637	927	0.5	1.5	1956	47.48958	58.98357	92890	1	1226.333	0.00806	0.8062	929	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	10	#N/A	10	10	10	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	1	
BERYLLIUM	0	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	10	#N/A	10	10	10	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	1	
BERYLLIUM	0	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	929	0.99785	0.04637	927	0.5	1.5	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
BERYLLIUM	0	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	929	0.99785	0.04637	927	0.5	1.5	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	32	
BERYLLIUM	0	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	10	#N/A	10	10	10	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
BERYLLIUM	0	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	10	#N/A	10	10	10	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	1	
BERYLLIUM	0	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	929	0.99785	0.04637	927	0.5	1.5	1360	2.68022	4.27187	3645.1	1	66	0.02924	0.3733	929	
BERYLLIUM	0	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	929	0.99785	0.04637	927	0.5	1.5	331	4.98036	5.31696	1648.5	1	44	0.0624	0.5312	103	
BERYLLIUM	0	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	10	#N/A	10	10	10	1360	2.68022	4.27187	3645.1	1	66	#N/A	#N/A	1	
BERYLLIUM	0	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	10	#N/A	10	10	10	331	4.98036	5.31696	1648.5	1	44	#N/A	#N/A	1	
BERYLLIUM	0	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	929	0.99785	0.04637	927	0.5	1.5	2217	0.03619	0.08626	80.22983	0.01	1.9	0.01345	0.6826	926	
BERYLLIUM	0	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	929	0.99785	0.04637	927	0.5	1.5	73	0.03548	0.03476	2.59	0.01	0.22	#N/A	#N/A	0	
BERYLLIUM	0	NITRITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	10	#N/A	10	10	10	2217	0.03619	0.08626	80.22983	0.01	1.9	#N/A	#N/A	1	
BERYLLIUM	0	NITRITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	10	#N/A	10	10	10	73	0.03548	0.03476	2.59	0.01	0.22	#N/A	#N/A	0	
BERYLLIUM	0	PH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	929	0.99785	0.04637	927	0.5	1.5	2481	7.19447	0.6701	17849	4	11.8	0.06514	0.0476	925	*
BERYLLIUM	0	PH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	10	#N/A	10	10	10	2481	7.19447	0.6701	17849	4	11.8	#N/A	#N/A	1	
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	929	0.99785	0.04637	927	0.5	1.5	187	1	0	187	1	1	#N/A	#N/A	34	
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	929	0.99785	0.04637	927	0.5	1.5	54	1	0	54	1	1	#N/A	#N/A	2	
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	10	#N/A	10	10	10	187	1	0	187	1	1	#N/A	#N/A	1	
BERYLLIUM	0	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	10	#N/A	10	10	10	54	1	0	54	1	1	#N/A	#N/A	1	
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	929	0.99785	0.04637	927	0.5	1.5	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	929	0.99785	0.04637	927	0.5	1.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	10	#N/A	10	10	10	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
BERYLLIUM	0	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	0	TURBIDITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	929	0.99785	0.04637	927	0.5	1.5	1376	2.7232	3.50816	3747.13	0.1	43	-0.13294	0.0001	830	*
BERYLLIUM	0	TURBIDITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	1	10	#N/A	10	10	10	1376	2.7232	3.50816	3747.13	0.1	43	#N/A	#N/A	0	
BERYLLIUM	0	WELL-DEPTH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	929	0.99785	0.04637	927	0.5	1.5	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
BERYLLIUM	0	WELL-DEPTH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	1	10	#N/A	10	10	10	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
BERYLLIUM	4	ALKALINITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	ALKALINITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.01187	0.15177	938	1	3.8	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	10	#N/A	10	10	10	927	1.01187	0.15177	938	1	3.8	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	ANTIMONY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	10	#N/A	10	10	10	1	1	#N/A	1	1	1	#N/A	#N/A	1	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.21212	0.5453	40	1	3	#N/A	#N/A	0	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.31944	0.62408	95	1	4	#N/A	#N/A	0	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	10	#N/A	10	10	10	33	1.21212	0.5453	40	1	3	#N/A	#N/A	1	
BERYLLIUM	4	ARSENIC	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	10	#N/A	10	10	10	72	1.31944	0.62408	95	1	4	#N/A	#N/A	1	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	10	#N/A	10	10	10	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	1	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	BARIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	10	#N/A	10	10	10	1	100	#N/A	100	100	100	#N/A	#N/A	1	
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.99966	0.13537	1233.585	0.1	3	#N/A	#N/A	0	
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.00906	0.09491	334	1	2	#N/A	#N/A	0	
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	10	#N/A	10	10	10	1234	0.99966	0.13537	1233.585	0.1	3	#N/A	#N/A	1	
BERYLLIUM	4	CADMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	10	#N/A	10	10	10	331	1.00906	0.09491	334	1	2	#N/A	#N/A	1	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.34679	4.17065	1657.9	1	116	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.46828	5.34178	817	1	73	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	10	#N/A	10	10	10	1231	1.34679	4.17065	1657.9	1	116	#N/A	#N/A	1	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CHROMIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	10	#N/A	10	10	10	331	2.46828	5.34178	817	1	73	#N/A	#N/A	1	
BERYLLIUM	4	CONDUCTANCE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
BERYLLIUM	4	CONDUCTANCE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	10	#N/A	10	10	10	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	1	
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	10	#N/A	10	10	10	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
BERYLLIUM	4	CYANIDE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	DEPTH-BELOW-LAN	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	DEPTH-BELOW-LAN	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-OXYGE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.84837	24021	0.5	15.9	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-OXYGE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	10	#N/A	10	10	10	2381	10.08867	2.84837	24021	0.5	15.9	#N/A	#N/A	1	
BERYLLIUM	4	DISSOLVED-SOLID	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
BERYLLIUM	4	DISSOLVED-SOLID	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	10	#N/A	10	10	10	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	1	
BERYLLIUM	4	HARDNESS	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
BERYLLIUM	4	HARDNESS	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	10	#N/A	10	10	10	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	1	
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	10	#N/A	10	10	10	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	1	
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	10	#N/A	10	10	10	1835	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	1	
BERYLLIUM	4	IRON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01047	IRON-FERROUS-P01047-(UG/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	10	#N/A	10	10	10	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	1	
BERYLLIUM	4	MANGANESE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	10	#N/A	10	10	10	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	1	
BERYLLIUM	4	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
BERYLLIUM	4	MERCURY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
BERYLLIUM	4	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	10	#N/A	10	10	10	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
BERYLLIUM	4	MERCURY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	10	#N/A	10	10	10	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	1	
BERYLLIUM	4	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 68022	4 27187	3645 1	1	66	#N/A	#N/A	0	
BERYLLIUM	4	NICKEL	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 98036	5 31696	1648 5	1	44	#N/A	#N/A	0	
BERYLLIUM	4	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	10	#N/A	10	10	10	1360	2 68022	4 27187	3645 1	1	66	#N/A	#N/A	1	
BERYLLIUM	4	NICKEL	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	10	#N/A	10	10	10	331	4 98036	5.31696	1648 5	1	44	#N/A	#N/A	1	
BERYLLIUM	4	NITRATE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 4872	1 69699	1963 108	0 048	21	#N/A	#N/A	0	
BERYLLIUM	4	NITRATE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	10	#N/A	10	10	10	1320	1 4872	1 69699	1963 108	0 048	21	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 03619	0 08626	80 22983	0 01	1 9	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 03548	0 03476	2 59	0 01	0 22	#N/A	#N/A	0	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	10	#N/A	10	10	10	2217	0 03619	0 08626	80 22983	0 01	1 9	#N/A	#N/A	1	
BERYLLIUM	4	NITRITE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	10	#N/A	10	10	10	73	0.03548	0 03476	2 59	0 01	0 22	#N/A	#N/A	0	
BERYLLIUM	4	PH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0.6701	17849	4	11 8	#N/A	#N/A	0	
BERYLLIUM	4	PH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	10	#N/A	10	10	10	2481	7.19447	0 6701	17849	4	11 8	#N/A	#N/A	1	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.05643	0 08599	0 79	0 02	0 35	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.01636	0.01502	0 18	0 01	0 06	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	10	#N/A	10	10	10	14	0 05643	0 08599	0 79	0 02	0 35	#N/A	#N/A	0	
BERYLLIUM	4	RADIUM-226	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	10	#N/A	10	10	10	11	0.01636	0.01502	0.18	0 01	0 06	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P76002	RADON 222-PE-P76002-(PCI/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	RADON	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	10	#N/A	10	10	10	187	1	0	187	1	1	#N/A	#N/A	1	
BERYLLIUM	4	SELENIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	10	#N/A	10	10	10	54	1	0	54	1	1	#N/A	#N/A	1	
BERYLLIUM	4	SULFATE	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
BERYLLIUM	4	SULFATE	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	10	#N/A	10	10	10	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	1	
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	10	#N/A	10	10	10	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
BERYLLIUM	4	THALLIUM	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	TURBIDITY	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 7232	3.50816	3747 13	0 1	43	#N/A	#N/A	0	
BERYLLIUM	4	TURBIDITY	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P00076	TURBIDITY-P00076-(NTU)	1	10	#N/A	10	10	10	1376	2.7232	3.50816	3747 13	0 1	43	#N/A	#N/A	0	
BERYLLIUM	4	URANIUM-235	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	URANIUM-235	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	URANIUM-238	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	URANIUM-238	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	10	#N/A	10	10	10	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
BERYLLIUM	4	WELL-DEPTH	SURFACE WATER	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
BERYLLIUM	4	WELL-DEPTH	SURFACE WATER	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	P72008	DEPTH OF WELL-P72008-(FEET)	1	10	#N/A	10	10	10	1	20 5	#N/A	20.5	20 5	20 5	#N/A	#N/A	0	
CADMIUM	0	ALKALINITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1234	0 999664	0.135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	ALKALINITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	331	1 009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1234	0 999664	0 135368	1233 585	0 1	3	1231	1 346791	4 170651	1657 9	1	116	0 09764	0 0006	1231	*
CADMIUM	0	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1234	0 999664	0.135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1234	0 999664	0.135368	1233 585	0 1	3	331	2 468278	5 341778	817	1	73	-0 00618	0 9185	276	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	331	1.009063	0 094913	334	1	2	1231	1 346791	4 170651	1657 9	1	116	-0 016	0 7913	276	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	331	1 009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	331	1 009063	0 094913	334	1	2	331	2 468278	5 341778	817	1	73	0 00953	0 8628	331	
CADMIUM	0	CONDUCTANCE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1234	0 999664	0.135368	1233 585	0 1	3	5930	220 8052	874 9516	1309375	3	38700	0 4426	0 0001	1229	*
CADMIUM	0	CONDUCTANCE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	331	1 009063	0 094913	334	1	2	5930	220 8052	874 9516	1309375	3	38700	-0 00026	0 9962	330	
CADMIUM	0	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1234	0 999664	0.135368	1233 585	0 1	3	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	5	
CADMIUM	0	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1234	0 999664	0.135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	331	1 009063	0.094913	334	1	2	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
CADMIUM	0	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	331	1 009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1234	0 999664	0 135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72019	DEPTH BELOW LAND-P72019-(FEET)	331	1 009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1234	0 999664	0 135368	1233 585	0 1	3	2381	10 08867	2 848372	24021	0 5	15 9	0 06219	0 0301	1216	*
CADMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	331	1 009063	0 094913	334	1	2	2381	10 08867	2 848372	24021	0 5	15 9	0 07205	0 1924	329	
CADMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1234	0 999664	0 135368	1233 585	0 1	3	1950	129 6248	529 4958	252768	10	23100	0 43658	0 0001	1168	*
CADMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	331	1 009063	0 094913	334	1	2	1950	129 6248	529 4958	252768	10	23100	0 00877	0 886	270	
CADMIUM	0	HARDNESS	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1234	0 999664	0 135368	1233 585	0 1	3	2005	59 04684	115 1687	118389	3	4500	0 02392	0 4048	1215	
CADMIUM	0	HARDNESS	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	331	1 009063	0 094913	334	1	2	2005	59 04684	115 1687	118389	3	4500	-0 04913	0 4013	294	
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1234	0 999664	0 135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1234	0 999664	0 135368	1233 585	0 1	3	359	567 7716	942 462	203830	100	16000	0 00906	0 875	304	
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1234	0 999664	0 135368	1233 585	0 1	3	1935	135.4852	151 6656	262164	3	3743 833	-0 02822	0 3285	1201	
CADMIUM	0	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	1234	0 999664	0 135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	331	1 009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	331	1 009063	0 094913	334	1	2	359	567.7716	942 462	203830	100	16000	0 00384	0 9444	331	
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	331	1 009063	0 094913	334	1	2	1935	135 4852	151.6656	262164	3	3743 833	0 03238	0 5928	275	
CADMIUM	0	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	331	1.009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1234	0 99966	0 13537	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1234	0 99966	0 13537	1233 585	0 1	3	82	126 3049	59 55653	10357	30	280	0 06617	0 7283	30	
CADMIUM	0	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1234	0 99966	0 13537	1233 585	0 1	3	1956	47 48958	58 98357	92890	1	1226 333	-0 03636	0 2029	1228	
CADMIUM	0	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	331	1.00906	0 09491	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	331	1 00906	0 09491	334	1	2	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	54	
CADMIUM	0	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	331	1 00906	0 09491	334	1	2	1956	47 48958	58 98357	92890	1	1226 333	0 16524	0 006	275	*
CADMIUM	0	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1234	0 999664	0 135368	1233 585	0 1	3	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
CADMIUM	0	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1234	0 999664	0 135368	1233 585	0 1	3	84	0.1	0	8 4	0 1	0 1	#N/A	#N/A	32	
CADMIUM	0	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	331	1 009063	0 094913	334	1	2	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
CADMIUM	0	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	331	1 009063	0 094913	334	1	2	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	55	
CADMIUM	0	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1234	0 999664	0 135368	1233 585	0 1	3	1360	2 680221	4.271872	3645 1	1	66	0 17563	0 0001	1234	*
CADMIUM	0	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1234	0 999664	0 135368	1233 585	0 1	3	331	4 980363	5 31696	1648 5	1	44	0 03339	0 5807	276	
CADMIUM	0	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	331	1 009063	0 094913	334	1	2	1360	2 680221	4 271872	3645 1	1	66	0 02791	0 6425	279	
CADMIUM	0	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	331	1 009063	0 094913	334	1	2	331	4 980363	5 31696	1648 5	1	44	0 02137	0 6985	331	
CADMIUM	0	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1234	0 999664	0 135368	1233 585	0 1	3	2217	0 036188	0 086265	80 22983	0 01	1.9	-0 02204	0 4473	1191	
CADMIUM	0	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1234	0 999664	0 135368	1233 585	0 1	3	73	0 035479	0 034763	2.59	0 01	0 22	#N/A	#N/A	41	
CADMIUM	0	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	331	1 009063	0 094913	334	1	2	2217	0 036188	0 086265	80 22983	0 01	1 9	0 01585	0.7838	302	
CADMIUM	0	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	331	1 009063	0 094913	334	1	2	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	26	
CADMIUM	0	PH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1234	0 999664	0 135368	1233 585	0 1	3	2481	7.19447	0 670099	17849	4	11 8	0 00259	0 9278	1230	
CADMIUM	0	PH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	331	1 009063	0 094913	334	1	2	2481	7.19447	0.670099	17849	4	11 8	-0 06012	0 2762	330	
CADMIUM	0	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1234	0 999664	0 135368	1233 585	0 1	3	187	1	0	187	1	1	#N/A	#N/A	61	
CADMIUM	0	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1234	0 999664	0 135368	1233 585	0 1	3	54	1	0	54	1	1	#N/A	#N/A	2	
CADMIUM	0	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	331	1 009063	0 094913	334	1	2	187	1	0	187	1	1	#N/A	#N/A	11	
CADMIUM	0	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	331	1 009063	0 094913	334	1	2	54	1	0	54	1	1	#N/A	#N/A	54	
CADMIUM	0	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1234	0 999664	0 135368	1233 585	0 1	3	2	0 5	0	1	0 5	0 5	#N/A	#N/A	2	
CADMIUM	0	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1234	0 999664	0 135368	1233 585	0 1	3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	331	1 009063	0 094913	334	1	2	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
CADMIUM	0	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	331	1 009063	0 094913	334	1	2	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	0	TURBIDITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	1234	0 999664	0 135368	1233 585	0.1	3	1376	2 723205	3 508161	3747 13	0 1	43	0 00666	0 8252	1104	
CADMIUM	0	TURBIDITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	331	1 009063	0 094913	334	1	2	1376	2 723205	3 508161	3747 13	0 1	43	-0 01357	0 8253	267	
CADMIUM	0	WELL-DEPTH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	1234	0 999664	0 135368	1233 585	0.1	3	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CADMIUM	0	WELL-DEPTH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	331	1 009063	0 094913	334	1	2	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
CADMIUM	5	ANTIMONY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	ARSENIC	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
CADMIUM	5	ARSENIC	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	BARIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
CADMIUM	5	BERYLLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CHROMIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
CADMIUM	5	CONDUCTANCE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
CADMIUM	5	CONDUCTANCE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
CADMIUM	5	CYANIDE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-OXYGE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-OXYGE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-SOLID	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
CADMIUM	5	DISSOLVED-SOLID	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
CADMIUM	5	HARDNESS	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
CADMIUM	5	HARDNESS	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
CADMIUM	5	IRON	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
CADMIUM	5	MANGANESE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
CADMIUM	5	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
CADMIUM	5	MERCURY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CADMIUM	5	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
CADMIUM	5	MERCURY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CADMIUM	5	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
CADMIUM	5	NICKEL	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CADMIUM	5	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
CADMIUM	5	NICKEL	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CADMIUM	5	NITRATE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
CADMIUM	5	NITRATE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
CADMIUM	5	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80.22983	0 01	1.9	#N/A	#N/A	0	
CADMIUM	5	NITRITE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CADMIUM	5	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
CADMIUM	5	NITRITE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CADMIUM	5	PH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
CADMIUM	5	PH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0.02	0 35	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
CADMIUM	5	RADIUM-226	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CADMIUM	5	SELENIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CADMIUM	5	SULFATE	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
CADMIUM	5	SULFATE	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0 5	0 5	#N/A	#N/A	0	
CADMIUM	5	THALLIUM	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CADMIUM	5	TURBIDITY	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
CADMIUM	5	TURBIDITY	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
CADMIUM	5	WELL-DEPTH	SURFACE WATER	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CADMIUM	5	WELL-DEPTH	SURFACE WATER	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1231	1 346791	4 170651	1657 9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	ALKALINITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	331	2 468278	5 341778	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	CONDUCTANCE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1231	1 346791	4 170651	1657 9	1	116	5930	220 8052	874 9516	1309375	3	38700	0 14383	0 0001	1226	*
CHROMIUM	0	CONDUCTANCE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
CHROMIUM	0	CONDUCTANCE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	331	2 468278	5 341778	817	1	73	5930	220 8052	874 9516	1309375	3	38700	0 07771	0 159	330	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1231	1 346791	4 170651	1657 9	1	116	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	5	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1231	1 346791	4 170651	1657 9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	331	2 468278	5 341778	817	1	73	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
CHROMIUM	0	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	331	2 468278	5 341778	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1231	1 346791	4 170651	1657 9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	331	2 468278	5 341778	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1231	1 346791	4 170651	1657 9	1	116	2381	10 08867	2 848372	24021	0 5	15 9	-0 0507	0 0775	1213	
CHROMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	331	2 468278	5 341778	817	1	73	2381	10 08867	2 848372	24021	0 5	15 9	-0 01415	0 7981	329	
CHROMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1231	1 346791	4 170651	1657.9	1	116	1950	129 6248	529 4958	252768	10	23100	0 14389	0 0001	1165	*
CHROMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
CHROMIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	331	2 468278	5 341778	817	1	73	1950	129 6248	529 4958	252768	10	23100	0 07547	0 2164	270	
CHROMIUM	0	HARDNESS	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	1231	1 346791	4 170651	1657.9	1	116	2005	59 04684	115 1687	118389	3	4500	0 06645	0 0207	1212	*
CHROMIUM	0	HARDNESS	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
CHROMIUM	0	HARDNESS	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	331	2 468278	5 341778	817	1	73	2005	59 04684	115 1687	118389	3	4500	0 10452	0 0736	294	
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1231	1 346791	4 170651	1657 9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1231	1 346791	4 170651	1657 9	1	116	359	567.7716	942 462	203830	100	16000	0 00408	0 9435	304	
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1231	1.346791	4 170651	1657.9	1	116	1935	135 4852	151 6656	262164	3	3743 833	-0 02108	0 4661	1198	
CHROMIUM	0	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	1231	1 346791	4 170651	1657.9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	331	2 468278	5 341778	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	331	2 468278	5 341778	817	1	73	359	567 7716	942 462	203830	100	16000	0 14973	0 0063	331	*
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	331	2 468278	5 341778	817	1	73	1935	135 4852	151 6656	262164	3	3743 833	-0 07128	0 2387	275	
CHROMIUM	0	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	331	2 468278	5 341778	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1231	1 34879	4 17065	1657 9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1231	1 34879	4.17065	1657 9	1	116	82	126 3049	59 55653	10357	30	260	0 3725	0 0426	30	*
CHROMIUM	0	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1231	1 34879	4.17065	1657 9	1	116	1956	47 48958	58 98357	92890	1	1226 333	0 0489	0 0871	1225	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	331	2.46828	5.34178	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	331	2.46828	5.34178	817	1	73	82	126.3049	59.55653	10357	30	280	-0.29181	0.0323	54	*
CHROMIUM	0	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	331	2.46828	5.34178	817	1	73	1956	47.48958	58.98357	92890	1	1226.333	0.1983	0.0009	275	*
CHROMIUM	0	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1231	1.346791	4.170651	1657.9	1	116	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
CHROMIUM	0	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1231	1.346791	4.170651	1657.9	1	116	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	32	
CHROMIUM	0	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
CHROMIUM	0	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	331	2.468278	5.341778	817	1	73	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
CHROMIUM	0	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	331	2.468278	5.341778	817	1	73	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	55	
CHROMIUM	0	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1231	1.346791	4.170651	1657.9	1	116	1360	2.680221	4.271872	3645.1	1	66	0.18783	0.0001	1231	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1231	1.346791	4.170651	1657.9	1	116	331	4.980363	5.31696	1648.5	1	44	0.30664	0.0001	276	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
CHROMIUM	0	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	331	2.468278	5.341778	817	1	73	1360	2.680221	4.271872	3645.1	1	66	0.37539	0.0001	279	*
CHROMIUM	0	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	331	2.468278	5.341778	817	1	73	331	4.980363	5.31696	1648.5	1	44	0.37284	0.0001	331	*
CHROMIUM	0	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1231	1.346791	4.170651	1657.9	1	116	2217	0.036188	0.086265	80.22983	0.01	1.9	0.06093	0.0358	1188	*
CHROMIUM	0	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1231	1.346791	4.170651	1657.9	1	116	73	0.035479	0.034763	2.59	0.01	0.22	0.54521	0.0002	41	*
CHROMIUM	0	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
CHROMIUM	0	NITRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	331	2.468278	5.341778	817	1	73	2217	0.036188	0.086265	80.22983	0.01	1.9	0.00316	0.9563	302	
CHROMIUM	0	NITRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	331	2.468278	5.341778	817	1	73	73	0.035479	0.034763	2.59	0.01	0.22	0.26008	0.1994	26	
CHROMIUM	0	PH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1231	1.346791	4.170651	1657.9	1	116	2481	7.19447	0.670099	17849	4	11.8	-0.04427	0.1212	1227	
CHROMIUM	0	PH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
CHROMIUM	0	PH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	331	2.468278	5.341778	817	1	73	2481	7.19447	0.670099	17849	4	11.8	0.05051	0.3603	330	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1231	1.346791	4.170651	1657.9	1	116	187	1	0	187	1	1	#N/A	#N/A	58	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1231	1.346791	4.170651	1657.9	1	116	54	1	0	54	1	1	#N/A	#N/A	2	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	331	2.468278	5.341778	817	1	73	187	1	0	187	1	1	#N/A	#N/A	11	
CHROMIUM	0	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	331	2.468278	5.341778	817	1	73	54	1	0	54	1	1	#N/A	#N/A	54	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1231	1.346791	4.170651	1657.9	1	116	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1231	1.346791	4.170651	1657.9	1	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	331	2.468278	5.341778	817	1	73	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
CHROMIUM	0	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	331	2.468278	5.341778	817	1	73	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	0	TURBIDITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	1231	1.346791	4.170651	1657.9	1	116	1376	2.723205	3.508161	3747.13	0.1	43	0.00033	0.9914	1101	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	0	TURBIDITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
CHROMIUM	0	TURBIDITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	331	2 468278	5 341778	817	1	73	1376	2 723205	3 508161	3747 13	0 1	43	0 33073	0 0001	267	*
CHROMIUM	0	WELL-DEPTH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	1231	1 346791	4.170651	1657.9	1	116	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CHROMIUM	0	WELL-DEPTH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CHROMIUM	0	WELL-DEPTH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	331	2 468278	5 341778	817	1	73	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ALKALINITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	116	#N/A	116	116	116	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	1	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	116	#N/A	116	116	116	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
CHROMIUM	100	ANTIMONY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	116	#N/A	116	116	116	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	116	#N/A	116	116	116	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
CHROMIUM	100	ARSENIC	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	116	#N/A	116	116	116	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	1	
CHROMIUM	100	BARIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	116	#N/A	116	116	116	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	BARIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	116	#N/A	116	116	116	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	1	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	116	#N/A	116	116	116	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
CHROMIUM	100	BERYLLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	116	#N/A	116	116	116	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	1	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	116	#N/A	116	116	116	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
CHROMIUM	100	CADMIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0.1	3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	CADMIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
CHROMIUM	100	CONDUCTANCE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	116	#N/A	116	116	116	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	1	
CHROMIUM	100	CONDUCTANCE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
CHROMIUM	100	CONDUCTANCE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	116	#N/A	116	116	116	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
CHROMIUM	100	CYANIDE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	DEPTH-BELOW-LAN	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-OXYGE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	116	#N/A	116	116	116	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	1	
CHROMIUM	100	DISSOLVED-OXYGE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-OXYGE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-SOLID	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	116	#N/A	116	116	116	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	1	
CHROMIUM	100	DISSOLVED-SOLID	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
CHROMIUM	100	DISSOLVED-SOLID	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
CHROMIUM	100	HARDNESS	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	116	#N/A	116	116	116	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	1	
CHROMIUM	100	HARDNESS	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
CHROMIUM	100	HARDNESS	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	116	#N/A	116	116	116	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	116	#N/A	116	116	116	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	1	
CHROMIUM	100	IRON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
CHROMIUM	100	IRON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	116	#N/A	116	116	116	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	116	#N/A	116	116	116	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	1	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
CHROMIUM	100	MANGANESE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	116	#N/A	116	116	116	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	116	#N/A	116	116	116	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0.3	0 3	#N/A	#N/A	0	
CHROMIUM	100	MERCURY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	116	#N/A	116	116	116	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	1	
CHROMIUM	100	NICKEL	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	116	#N/A	116	116	116	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
CHROMIUM	100	NICKEL	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CHROMIUM	100	NITRATE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	116	#N/A	116	116	116	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	1	
CHROMIUM	100	NITRATE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
CHROMIUM	100	NITRATE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	116	#N/A	116	116	116	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	1	
CHROMIUM	100	NITRITE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	116	#N/A	116	116	116	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0.01	1 9	#N/A	#N/A	0	
CHROMIUM	100	NITRITE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CHROMIUM	100	PH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	116	#N/A	116	116	116	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	1	
CHROMIUM	100	PH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
CHROMIUM	100	PH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	116	#N/A	116	116	116	14	0 056429	0 085988	0.79	0 02	0 35	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	116	#N/A	116	116	116	11	0 016364	0 015015	0.18	0 01	0 06	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
CHROMIUM	100	RADIUM-226	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CHROMIUM	100	RADON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	RADON	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	116	#N/A	116	116	116	187	1	0	187	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	116	#N/A	116	116	116	54	1	0	54	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CHROMIUM	100	SELENIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CHROMIUM	100	SULFATE	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	116	#N/A	116	116	116	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	1	
CHROMIUM	100	SULFATE	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
CHROMIUM	100	SULFATE	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	116	#N/A	116	116	116	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0.5	0 5	#N/A	#N/A	0	
CHROMIUM	100	THALLIUM	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	TURBIDITY	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	1	116	#N/A	116	116	116	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	1	
CHROMIUM	100	TURBIDITY	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
CHROMIUM	100	TURBIDITY	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-235	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	116	#N/A	116	116	116	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	URANIUM-238	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CHROMIUM	100	WELL-DEPTH	SURFACE WATER	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	1	116	#N/A	116	116	116	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CHROMIUM	100	WELL-DEPTH	SURFACE WATER	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CHROMIUM	100	WELL-DEPTH	SURFACE WATER	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
CYANIDE	0	ALKALINITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	5	0 01	0	0 05	0 01	0 01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	ALKALINITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	CONDUCTANCE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	5	0 01	0	0 05	0 01	0 01	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	4	
CYANIDE	0	CONDUCTANCE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
CYANIDE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	5	0 01	0	0 05	0 01	0 01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	DISSOLVED-OXYGE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	5	0 01	0	0 05	0.01	0 01	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
CYANIDE	0	DISSOLVED-OXYGE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
CYANIDE	0	DISSOLVED-SOLID	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	5	0 01	0	0 05	0 01	0 01	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	4	
CYANIDE	0	DISSOLVED-SOLID	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
CYANIDE	0	HARDNESS	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	5	0 01	0	0 05	0 01	0 01	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	5	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	HARDNESS	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900- (MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01044	IRON-SUSPENDED-P01044- (UG/L AS FE)	5	0.01	0	0.05	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	5	0.01	0	0.05	0.01	0.01	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01046	IRON-DISSOLVED-P01046- (UG/L AS FE)	5	0.01	0	0.05	0.01	0.01	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	5	
CYANIDE	0	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01047	IRON-FERROUS-P01047- (UG/L)	5	0.01	0	0.05	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01044	IRON-SUSPENDED-P01044- (UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01046	IRON-DISSOLVED-P01046- (UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
CYANIDE	0	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01047	IRON-FERROUS-P01047- (UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01054	MANGANESE-SUSPENDED- P01054-(UG/L AS MN)	5	0.01	0	0.05	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055- (UG/L AS MN)	5	0.01	0	0.05	0.01	0.01	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01056	MANGANESE-DISSOLVED- P01056-(UG/L AS MN)	5	0.01	0	0.05	0.01	0.01	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	5	
CYANIDE	0	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01054	MANGANESE-SUSPENDED- P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055- (UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
CYANIDE	0	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01056	MANGANESE-DISSOLVED- P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
CYANIDE	0	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P71890	MERCURY-DISSOLVED- P71890-(UG/L AS HG)	5	0.01	0	0.05	0.01	0.01	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
CYANIDE	0	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P71900	MERCURY-TOTAL REC- P71900-(UG/L AS HG)	5	0.01	0	0.05	0.01	0.01	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
CYANIDE	0	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P71890	MERCURY-DISSOLVED- P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
CYANIDE	0	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P71900	MERCURY-TOTAL REC- P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
CYANIDE	0	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065- (UG/L AS NI)	5	0.01	0	0.05	0.01	0.01	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	5	
CYANIDE	0	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	5	0.01	0	0.05	0.01	0.01	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
CYANIDE	0	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065- (UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
CYANIDE	0	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
CYANIDE	0	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613- (MG/L AS N)	5	0.01	0	0.05	0.01	0.01	2217	0.036188	0.088265	80.22983	0.01	1.9	#N/A	#N/A	5	
CYANIDE	0	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615- (MG/L AS N)	5	0.01	0	0.05	0.01	0.01	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
CYANIDE	0	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613- (MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.088265	80.22983	0.01	1.9	#N/A	#N/A	0	
CYANIDE	0	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615- (MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
CYANIDE	0	PH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P00400	PH WH-FIELD-P00400- (STANDARD UNITS)	5	0.01	0	0.05	0.01	0.01	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	4	
CYANIDE	0	PH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00400	PH WH-FIELD-P00400- (STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
CYANIDE	0	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01145	SELENIUM-DISSOLVED- P01145-(UG/L AS SE)	5	0.01	0	0.05	0.01	0.01	187	1	0	187	1	1	#N/A	#N/A	5	
CYANIDE	0	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147- (UG/L AS SE)	5	0.01	0	0.05	0.01	0.01	54	1	0	54	1	1	#N/A	#N/A	0	
CYANIDE	0	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01145	SELENIUM-DISSOLVED- P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CYANIDE	0	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147- (UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01057	THALLIUM-DISSOLVED- P01057-(UG/L AS TL)	5	0.01	0	0.05	0.01	0.01	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059- (UG/L AS TL)	5	0.01	0	0.05	0.01	0.01	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01057	THALLIUM-DISSOLVED- P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
CYANIDE	0	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059- (UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0	TURBIDITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	5	0.01	0	0.05	0.01	0.01	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
CYANIDE	0	TURBIDITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
CYANIDE	0	WELL-DEPTH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720- (MG/L AS CN)	P72008	DEPTH OF WELL-P72008- (FEET)	5	0.01	0	0.05	0.01	0.01	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0	WELL-DEPTH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20.5	#N/A	#N/A	0	
CYANIDE	0 2	ANTIMONY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
CYANIDE	0 2	ANTIMONY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CYANIDE	0 2	ANTIMONY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
CYANIDE	0 2	ANTIMONY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
CYANIDE	0 2	ARSENIC	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
CYANIDE	0 2	ARSENIC	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
CYANIDE	0 2	ARSENIC	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
CYANIDE	0 2	ARSENIC	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	BARIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
CYANIDE	0 2	BERYLLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
CYANIDE	0 2	BERYLLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CYANIDE	0 2	BERYLLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
CYANIDE	0 2	BERYLLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
CYANIDE	0 2	CADMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
CYANIDE	0 2	CADMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
CYANIDE	0 2	CADMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
CYANIDE	0 2	CADMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	CHROMIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
CYANIDE	0 2	CONDUCTANCE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
CYANIDE	0 2	CONDUCTANCE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
CYANIDE	0 2	DISSOLVED-OXYGE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
CYANIDE	0 2	DISSOLVED-OXYGE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
CYANIDE	0 2	DISSOLVED-SOLID	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
CYANIDE	0 2	DISSOLVED-SOLID	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
CYANIDE	0 2	HARDNESS	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
CYANIDE	0 2	HARDNESS	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7718	942.462	203830	100	16000	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4652	151.6656	262164	3	3743 633	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0 2	IRON	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743 833	#N/A	#N/A	0	
CYANIDE	0 2	IRON	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226 333	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
CYANIDE	0 2	MANGANESE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
CYANIDE	0 2	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
CYANIDE	0 2	MERCURY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CYANIDE	0 2	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
CYANIDE	0 2	MERCURY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
CYANIDE	0 2	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
CYANIDE	0 2	NICKEL	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CYANIDE	0 2	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
CYANIDE	0 2	NICKEL	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
CYANIDE	0 2	NITRATE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
CYANIDE	0 2	NITRATE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
CYANIDE	0 2	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
CYANIDE	0 2	NITRITE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CYANIDE	0 2	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
CYANIDE	0 2	NITRITE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
CYANIDE	0 2	PH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
CYANIDE	0 2	PH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
CYANIDE	0 2	RADIUM-226	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
CYANIDE	0 2	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CYANIDE	0 2	SELENIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CYANIDE	0 2	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
CYANIDE	0 2	SELENIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
CYANIDE	0 2	SULFATE	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
CYANIDE	0 2	SULFATE	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
CYANIDE	0 2	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
CYANIDE	0 2	THALLIUM	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
CYANIDE	0 2	THALLIUM	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
CYANIDE	0 2	TURBIDITY	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
CYANIDE	0 2	TURBIDITY	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
CYANIDE	0 2	WELL-DEPTH	SURFACE WATER	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20 5	20.5	#N/A	#N/A	0	
CYANIDE	0 2	WELL-DEPTH	SURFACE WATER	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	CONDUCTANCE	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	DISSOLVED-OXYGE	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	PH	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
DEPTH-BELOW-LAN	0	TURBIDITY	SURFACE WATER	P72019	DEPTH BELOW LAND-P72019-(FEET)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
DISSOLVED-OXYGE	0	ALKALINITY	SURFACE WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2381	10 08867	2 848372	24021	0 5	15 9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-OXYGE	0	CONDUCTANCE	SURFACE WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2381	10 08867	2 848372	24021	0 5	15 9	5930	220 8052	874 9516	1309375	3	38700	-0 0712	0 0005	2376	*
DISSOLVED-OXYGE	0	TURBIDITY	SURFACE WATER	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	2381	10 08867	2 848372	24021	0 5	15 9	1376	2 723205	3 508161	3747.13	0 1	43	-0 00103	0 9695	1370	
DISSOLVED-SOLID	0	ALKALINITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1950	129 6248	529 4958	252768	10	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	0	CONDUCTANCE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1950	129 6248	529 4958	252768	10	23100	5930	220 8052	874 9516	1309375	3	38700	0 99873	0 0001	1944	*
DISSOLVED-SOLID	0	DEPTH-BELOW-LAN	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1950	129 6248	529 4958	252768	10	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	0	DISSOLVED-OXYGE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1950	129 6248	529 4958	252768	10	23100	2381	10 08867	2 848372	24021	0 5	15 9	-0 07328	0 0014	1897	*
DISSOLVED-SOLID	0	HARDNESS	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1950	129 6248	529 4958	252768	10	23100	2005	59 04684	115 1687	118389	3	4500	0 91842	0 0001	1950	*
DISSOLVED-SOLID	0	PH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1950	129 6248	529 4958	252768	10	23100	2481	7 19447	0 670099	17849	4	11 8	0 03995	0 0786	1940	
DISSOLVED-SOLID	0	TURBIDITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	1950	129 6248	529 4958	252768	10	23100	1376	2.723205	3 508161	3747.13	0 1	43	0 1148	0 0001	1304	*
DISSOLVED-SOLID	0	WELL-DEPTH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	1950	129 6248	529 4958	252768	10	23100	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ALKALINITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ANTIMONY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	8	3930 25	7768 3	31442	500	23100	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	3	
DISSOLVED-SOLID	500	ANTIMONY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	8	3930 25	7768 3	31442	500	23100	1	1	#N/A	1	1	1	#N/A	#N/A	0	
DISSOLVED-SOLID	500	ARSENIC	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	8	3930 25	7768 3	31442	500	23100	33	1.212121	0.545297	40	1	3	#N/A	#N/A	3	
DISSOLVED-SOLID	500	ARSENIC	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	8	3930 25	7768 3	31442	500	23100	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BARIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	8	3930 25	7768.3	31442	500	23100	1082	25 5403	28 85104	27635	3	270	0 99606	0 0566	3	
DISSOLVED-SOLID	500	BARIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BARIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	8	3930 25	7768 3	31442	500	23100	1	100	#N/A	100	100	100	#N/A	#N/A	0	
DISSOLVED-SOLID	500	BERYLLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	8	3930 25	7768 3	31442	500	23100	929	0 99785	0 04637	927	0 5	1.5	0 98694	0 103	3	
DISSOLVED-SOLID	500	BERYLLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	8	3930 25	7768 3	31442	500	23100	1	10	#N/A	10	10	10	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CADMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	8	3930 25	7768 3	31442	500	23100	1234	0 999664	0 135368	1233 585	0 1	3	0 98694	0 103	3	
DISSOLVED-SOLID	500	CADMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	8	3930 25	7768 3	31442	500	23100	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CHROMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	8	3930 25	7768 3	31442	500	23100	1231	1 346791	4 170651	1657.9	1	116	0 98694	0 103	3	
DISSOLVED-SOLID	500	CHROMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CHROMIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	8	3930 25	7768 3	31442	500	23100	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
DISSOLVED-SOLID	500	CONDUCTANCE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	8	3930 25	7768 3	31442	500	23100	5930	220.8052	874 9516	1309375	3	38700	0 99945	0 0001	8	*
DISSOLVED-SOLID	500	CYANIDE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	8	3930 25	7768 3	31442	500	23100	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	3	
DISSOLVED-SOLID	500	CYANIDE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
DISSOLVED-SOLID	500	DEPTH-BELOW-LAN	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	DISSOLVED-OXYGE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	8	3930 25	7768 3	31442	500	23100	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	1	
DISSOLVED-SOLID	500	HARDNESS	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	8	3930 25	7768 3	31442	500	23100	2005	59 04684	115 1687	118389	3	4500	0 93187	0 0008	8	*
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	8	3930 25	7768 3	31442	500	23100	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	8	3930 25	7768 3	31442	500	23100	1935	135 4852	151 6656	262184	3	3743 833	-0 27974	0 5022	8	
DISSOLVED-SOLID	500	IRON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01047	IRON-FERROUS-P01047-(UG/L)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MANGANESE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MANGANESE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	8	3930 25	7768 3	31442	500	23100	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MANGANESE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	8	3930 25	7768 3	31442	500	23100	1956	47 48958	58 98357	92890	1	1226 333	-0 1492	0 7244	8	
DISSOLVED-SOLID	500	MERCURY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	8	3930 25	7768 3	31442	500	23100	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
DISSOLVED-SOLID	500	MERCURY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	8	3930 25	7768 3	31442	500	23100	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
DISSOLVED-SOLID	500	NICKEL	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	8	3930 25	7768 3	31442	500	23100	1360	2.680221	4.271872	3645.1	1	68	0 98694	0 103	3	
DISSOLVED-SOLID	500	NICKEL	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	8	3930 25	7768 3	31442	500	23100	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
DISSOLVED-SOLID	500	NITRATE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	8	3930 25	7768 3	31442	500	23100	1320	1.487203	1 696986	1963 108	0 048	21	-0 27453	0 823	3	
DISSOLVED-SOLID	500	NITRITE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	8	3930 25	7768 3	31442	500	23100	2217	0 036188	0.086265	80 22983	0 01	1 9	-0 32312	0 4796	7	
DISSOLVED-SOLID	500	NITRITE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	8	3930 25	7768 3	31442	500	23100	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
DISSOLVED-SOLID	500	PH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	8	3930 25	7768 3	31442	500	23100	2481	7.19447	0 670099	17849	4	11 8	0 11855	0 7798	8	
DISSOLVED-SOLID	500	RADIUM-226	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADIUM-226	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	8	3930 25	7768 3	31442	500	23100	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADIUM-226	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	8	3930 25	7768 3	31442	500	23100	11	0 016364	0.015015	0 18	0.01	0 06	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	RADON	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	SELENIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	8	3930 25	7768 3	31442	500	23100	187	1	0	187	1	1	#N/A	#N/A	3	
DISSOLVED-SOLID	500	SELENIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	8	3930 25	7768 3	31442	500	23100	54	1	0	54	1	1	#N/A	#N/A	0	
DISSOLVED-SOLID	500	SULFATE	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	8	3930 25	7768 3	31442	500	23100	2039	15 0177	38 42249	30621	0 5	1700	0 99724	0 0001	8	*
DISSOLVED-SOLID	500	THALLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	8	3930 25	7768 3	31442	500	23100	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
DISSOLVED-SOLID	500	THALLIUM	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	TURBIDITY	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P00076	TURBIDITY-P00076-(NTU)	8	3930 25	7768 3	31442	500	23100	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
DISSOLVED-SOLID	500	URANIUM-235	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	URANIUM-238	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	8	3930 25	7768 3	31442	500	23100	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
DISSOLVED-SOLID	500	WELL-DEPTH	SURFACE WATER	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	8	3930 25	7768 3	31442	500	23100	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
HARDNESS	0	ALKALINITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2005	59 04684	115 1687	118389	3	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	0	CONDUCTANCE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2005	59 04684	115 1687	118389	3	4500	5930	220 8052	874 9516	1309375	3	38700	0 65231	0 0001	1996	*
HARDNESS	0	DEPTH-BELOW-LAN	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2005	59 04684	115 1687	118389	3	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	0	DISSOLVED-OXYGE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2005	59 04684	115 1687	118389	3	4500	2381	10 08867	2 848372	24021	0 5	15 9	-0 11391	0 0001	1943	*
HARDNESS	0	PH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2005	59 04684	115 1687	118389	3	4500	2481	7.19447	0 670099	17849	4	11 8	0 19479	0 0001	1987	*
HARDNESS	0	TURBIDITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00076	TURBIDITY-P00076-(NTU)	2005	59 04684	115 1687	118389	3	4500	1376	2.723205	3 508161	3747 13	0 1	43	0 09427	0 0005	1342	*
HARDNESS	0	WELL-DEPTH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	2005	59 04684	115.1687	118389	3	4500	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
HARDNESS	300	ALKALINITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
HARDNESS	300	ANTIMONY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2	3250	1767.767	6500	2000	4500	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
HARDNESS	300	ANTIMONY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2	3250	1767.767	6500	2000	4500	1	1	#N/A	1	1	1	#N/A	#N/A	0	
HARDNESS	300	ARSENIC	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	2	3250	1767.767	6500	2000	4500	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
HARDNESS	300	ARSENIC	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	2	3250	1767.767	6500	2000	4500	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
HARDNESS	300	BARIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2	3250	1767.767	6500	2000	4500	1082	25.5403	28.65104	27635	3	270	#N/A	#N/A	0	
HARDNESS	300	BARIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	BARIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2	3250	1767.767	6500	2000	4500	1	100	#N/A	100	100	100	#N/A	#N/A	0	
HARDNESS	300	BERYLLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2	3250	1767.767	6500	2000	4500	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
HARDNESS	300	BERYLLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2	3250	1767.767	6500	2000	4500	1	10	#N/A	10	10	10	#N/A	#N/A	0	
HARDNESS	300	CADMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2	3250	1767.767	6500	2000	4500	1234	0.999684	0.135388	1233.585	0.1	3	#N/A	#N/A	0	
HARDNESS	300	CADMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2	3250	1767.767	6500	2000	4500	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
HARDNESS	300	CHROMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2	3250	1767.767	6500	2000	4500	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
HARDNESS	300	CHROMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	CHROMIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2	3250	1767.767	6500	2000	4500	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
HARDNESS	300	CONDUCTANCE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	3250	1767.767	6500	2000	4500	5930	220.8052	874.9516	1309375	3	38700	1	#N/A	2	
HARDNESS	300	CYANIDE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2	3250	1767.767	6500	2000	4500	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
HARDNESS	300	CYANIDE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	DEPTH-BELOW-LAN	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	DISSOLVED-OXYGE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	3250	1767.767	6500	2000	4500	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	1	
HARDNESS	300	DISSOLVED-SOLID	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	3250	1767.767	6500	2000	4500	1950	129.6248	529.4958	252768	10	23100	1	#N/A	2	
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2	3250	1767.767	6500	2000	4500	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2	3250	1767.767	6500	2000	4500	1935	135.4852	151.6656	262164	3	3743.833	1	#N/A	2	
HARDNESS	300	IRON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01047	IRON-FERROUS-P01047-(UG/L)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	MANGANESE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	MANGANESE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2	3250	1767.767	6500	2000	4500	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
HARDNESS	300	MANGANESE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2	3250	1767.767	6500	2000	4500	1956	47.48958	58.98357	92890	1	1226.333	1	#N/A	2	
HARDNESS	300	MERCURY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2	3250	1767.767	6500	2000	4500	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
HARDNESS	300	MERCURY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2	3250	1767.767	6500	2000	4500	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
HARDNESS	300	NICKEL	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2	3250	1767.767	6500	2000	4500	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
HARDNESS	300	NICKEL	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2	3250	1767.767	6500	2000	4500	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
HARDNESS	300	NITRATE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2	3250	1767.767	6500	2000	4500	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
HARDNESS	300	NITRITE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2	3250	1767.767	6500	2000	4500	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	1	
HARDNESS	300	NITRITE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2	3250	1767.767	6500	2000	4500	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
HARDNESS	300	PH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	3250	1767.767	6500	2000	4500	2481	7.19447	0.670099	17849	4	11.8	-1	#N/A	2	
HARDNESS	300	RADIUM-226	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	RADIUM-226	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2	3250	1767.767	6500	2000	4500	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
HARDNESS	300	RADIUM-226	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2	3250	1767.767	6500	2000	4500	11	0.016384	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
HARDNESS	300	RADON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P76002	RADON 222-PE-P76002-(PCI/L)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	RADON	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
HARDNESS	300	SELENIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2	3250	1767.767	6500	2000	4500	187	1	0	187	1	1	#N/A	#N/A	0	
HARDNESS	300	SELENIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2	3250	1767.767	6500	2000	4500	54	1	0	54	1	1	#N/A	#N/A	0	
HARDNESS	300	SULFATE	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	2	3250	1767.767	6500	2000	4500	2039	15.0177	38.42249	30621	0.5	1700	1	#N/A	2	
HARDNESS	300	THALLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2	3250	1767.767	6500	2000	4500	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
HARDNESS	300	THALLIUM	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	TURBIDITY	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P00076	TURBIDITY-P00076-(NTU)	2	3250	1767.767	6500	2000	4500	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
HARDNESS	300	URANIUM-235	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	URANIUM-238	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2	3250	1767.767	6500	2000	4500	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
HARDNESS	300	WELL-DEPTH	SURFACE WATER	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	P72008	DEPTH OF WELL-P72008-(FEET)	2	3250	1767.767	6500	2000	4500	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	0	ALKALINITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	ALKALINITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	359	567.7716	942.462	203830	100	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	ALKALINITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1935	135.4852	151.6656	262164	3	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	ALKALINITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	CONDUCTANCE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
IRON	0	CONDUCTANCE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	359	567.7716	942.462	203830	100	16000	5930	220.8052	874.9516	1309375	3	38700	0.03349	0.5277	358	
IRON	0	CONDUCTANCE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1935	135.4852	151.6656	262164	3	3743.833	5930	220.8052	874.9516	1309375	3	38700	-0.05178	0.0231	1925	*
IRON	0	CONDUCTANCE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	359	567.7716	942.462	203830	100	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1935	135.4852	151.6656	262164	3	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	DEPTH-BELOW-LAN	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	359	567.7716	942.462	203830	100	16000	2381	10.08867	2.848372	24021	0.5	15.9	-0.10552	0.0463	357	*
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1935	135.4852	151.6656	262164	3	3743.833	2381	10.08867	2.848372	24021	0.5	15.9	-0.18896	0.0001	1872	*
IRON	0	DISSOLVED-OXYGE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	359	567.7716	942.462	203830	100	16000	1950	129.6248	529.4958	252768	10	23100	0.02895	0.6258	286	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1935	135.4852	151.6656	262164	3	3743.833	1950	129.6248	529.4958	252768	10	23100	-0.03355	0.1478	1862	
IRON	0	DISSOLVED-SOLID	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
IRON	0	HARDNESS	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
IRON	0	HARDNESS	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	359	567.7716	942.462	203830	100	16000	2005	59.04684	115.1687	118389	3	4500	0.00722	0.8993	310	
IRON	0	HARDNESS	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1935	135.4852	151.6656	262164	3	3743.833	2005	59.04684	115.1687	118389	3	4500	-0.10167	0.0001	1916	*
IRON	0	HARDNESS	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	359	567.7716	942.462	203830	100	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	359	567.7716	942.462	203830	100	16000	82	126.3049	59.55653	10357	30	280	0.35987	0.0009	82	*
IRON	0	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	359	567.7716	942.462	203830	100	16000	1956	47.48958	58.98357	92890	1	1226.333	0.38116	0.0001	303	*
IRON	0	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1935	135.4852	151.6656	262164	3	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1935	135.4852	151.6656	262164	3	3743.833	82	126.3049	59.55653	10357	30	280	-0.59363	0.16	7	
IRON	0	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1935	135.4852	151.6656	262164	3	3743.833	1956	47.48958	58.98357	92890	1	1226.333	0.43473	0.0001	1929	*
IRON	0	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
IRON	0	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
IRON	0	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
IRON	0	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
IRON	0	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	359	567.7716	942.462	203830	100	16000	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
IRON	0	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	359	567.7716	942.462	203830	100	16000	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	82	
IRON	0	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1935	135.4852	151.6656	262164	3	3743.833	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
IRON	0	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1935	135.4852	151.6656	262164	3	3743.833	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	9	
IRON	0	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
IRON	0	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	359	567.7716	942.462	203830	100	16000	1360	2.680221	4.271872	3645.1	1	66	0.01683	0.769	307	
IRON	0	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	359	567.7716	942.462	203830	100	16000	331	4.980363	5.31696	1648.5	1	44	0.05963	0.2794	331	
IRON	0	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1935	135.4852	151.6656	262164	3	3743.833	1360	2.680221	4.271872	3645.1	1	66	-0.02234	0.4162	1327	
IRON	0	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1935	135.4852	151.6656	262164	3	3743.833	331	4.980363	5.31696	1648.5	1	44	-0.06349	0.2941	275	
IRON	0	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
IRON	0	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	359	567.7716	942.462	203830	100	16000	2217	0.036188	0.086265	80.22983	0.01	1.9	0.16358	0.0029	330	*
IRON	0	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	359	567.7716	942.462	203830	100	16000	73	0.035479	0.034763	2.59	0.01	0.22	0.09019	0.6613	26	
IRON	0	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1935	135.4852	151.6656	262164	3	3743.833	2217	0.036188	0.086265	80.22983	0.01	1.9	-0.00699	0.7636	1854	
IRON	0	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1935	135.4852	151.6656	262164	3	3743.833	73	0.035479	0.034763	2.59	0.01	0.22	-0.02319	0.8678	54	
IRON	0	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
IRON	0	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
IRON	0	PH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
IRON	0	PH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	359	567.7716	942.462	203830	100	16000	2481	7.19447	0.670099	17849	4	11.8	-0.03691	0.4863	358	
IRON	0	PH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1935	135.4852	151.6656	262164	3	3743.833	2481	7.19447	0.670099	17849	4	11.8	-0.20205	0.0001	1917	*
IRON	0	PH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
IRON	0	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
IRON	0	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	0	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	359	567.7716	942.462	203830	100	16000	187	1	0	187	1	1	#N/A	#N/A	35	
IRON	0	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	359	567.7716	942.462	203830	100	16000	54	1	0	54	1	1	#N/A	#N/A	54	
IRON	0	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1935	135.4852	151.6656	262164	3	3743.833	187	1	0	187	1	1	#N/A	#N/A	163	
IRON	0	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1935	135.4852	151.6656	262164	3	3743.833	54	1	0	54	1	1	#N/A	#N/A	3	
IRON	0	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	0	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	359	567.7716	942.462	203830	100	16000	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	359	567.7716	942.462	203830	100	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1935	135.4852	151.6656	262164	3	3743.833	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
IRON	0	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1935	135.4852	151.6656	262164	3	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
IRON	0	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	0	TURBIDITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
IRON	0	TURBIDITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	359	567.7716	942.462	203830	100	16000	1376	2.723205	3.508161	3747.13	0.1	43	0.82204	0.0001	283	*
IRON	0	TURBIDITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	1935	135.4852	151.6656	262164	3	3743.833	1376	2.723205	3.508161	3747.13	0.1	43	-0.07302	0.0095	1262	*
IRON	0	TURBIDITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	359	567.7716	942.462	203830	100	16000	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	1935	135.4852	151.6656	262164	3	3743.833	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	0	WELL-DEPTH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	300	ALKALINITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ALKALINITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	271	681.1255	1060.26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ALKALINITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ALKALINITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	271	681.1255	1060.26	184585	300	16000	927	1.011866	0.15177	938	1	3.8	-0.05267	0.6084	97	
IRON	300	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	271	681.1255	1060.26	184585	300	16000	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	139	508.4834	343.8259	70679	300	3743.833	927	1.011866	0.15177	938	1	3.8	0.13581	0.2421	76	
IRON	300	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	139	508.4834	343.8259	70679	300	3743.833	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
IRON	300	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	271	681.1255	1060.26	184585	300	16000	33	1.212121	0.545297	40	1	3	-0.03319	0.8895	20	
IRON	300	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	271	681.1255	1060.26	184585	300	16000	72	1.319444	0.62408	95	1	4	-0.05562	0.6599	65	
IRON	300	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	139	508.4834	343.8259	70679	300	3743.833	33	1.212121	0.545297	40	1	3	-1	#N/A	2	
IRON	300	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	139	508.4834	343.8259	70679	300	3743.833	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
IRON	300	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	271	681 1255	1060 26	184585	300	16000	1082	25.5403	28.85104	27635	3	270	0 04382	0.6619	102	
IRON	300	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	271	681 1255	1060 26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	271	681.1255	1060 26	184585	300	16000	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	139	508.4834	343 8259	70679	300	3743 833	1082	25 5403	28 85104	27635	3	270	0 81963	0 0001	82	*
IRON	300	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	139	508 4834	343 8259	70679	300	3743 833	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28 85104	27635	3	270	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	271	681.1255	1060 26	184585	300	16000	929	0 99785	0 04637	927	0.5	1.5	-0 03309	0.7464	98	
IRON	300	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	271	681 1255	1060 26	184585	300	16000	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	139	508 4834	343 8259	70679	300	3743 833	929	0 99785	0 04637	927	0.5	1.5	#N/A	#N/A	76	
IRON	300	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	139	508 4834	343 8259	70679	300	3743 833	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
IRON	300	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	271	681 1255	1060 26	184585	300	16000	1234	0 999664	0 135368	1233 585	0 1	3	0 01237	0 8546	222	
IRON	300	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	271	681 1255	1060 26	184585	300	16000	331	1.009063	0 094913	334	1	2	-0 00794	0 901	248	
IRON	300	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	139	508 4834	343 8259	70679	300	3743 833	1234	0 999664	0.135368	1233 585	0 1	3	0 03838	0 7075	98	
IRON	300	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	139	508 4834	343 8259	70679	300	3743 833	331	1 009063	0 094913	334	1	2	#N/A	#N/A	12	
IRON	300	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
IRON	300	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	271	681 1255	1060 26	184585	300	16000	1231	1 346791	4.170651	1657 9	1	116	-0 00628	0 9259	222	
IRON	300	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	271	681 1255	1060 26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	271	681 1255	1060 26	184585	300	16000	331	2 468278	5 341778	817	1	73	0 12759	0 0447	248	*
IRON	300	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	139	508 4834	343 8259	70679	300	3743 833	1231	1 346791	4 170651	1657 9	1	116	-0 01644	0 873	97	
IRON	300	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	139	508 4834	343 8259	70679	300	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	139	508 4834	343 8259	70679	300	3743 833	331	2 468278	5 341778	817	1	73	0 31945	0 3115	12	
IRON	300	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
IRON	300	CONDUCTANCE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
IRON	300	CONDUCTANCE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	271	681 1255	1060 26	184585	300	16000	5930	220 8052	874 9516	1309375	3	38700	-0 014	0 8188	270	
IRON	300	CONDUCTANCE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	139	508 4834	343 8259	70679	300	3743 833	5930	220 8052	874 9516	1309375	3	38700	0 04789	0 5798	136	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	CONDUCTANCE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	271	681 1255	1060 26	184585	300	16000	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	271	681 1255	1060 26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	139	508 4834	343 8259	70679	300	3743 833	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	139	508 4834	343 8259	70679	300	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	300	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	271	681 1255	1060 26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	139	508 4834	343 8259	70679	300	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	DEPTH-BELOW-LAN	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	271	681 1255	1060 26	184585	300	16000	2381	10 08867	2 848372	24021	0 5	15 9	-0 08567	0 1604	270	
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	139	508 4834	343 8259	70679	300	3743 833	2381	10 08867	2 848372	24021	0 5	15 9	-0 1952	0 026	130	*
IRON	300	DISSOLVED-OXYGE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	271	681 1255	1060 26	184585	300	16000	1950	129 6248	529 4958	252768	10	23100	-0 01097	0 8747	209	
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	139	508 4834	343 8259	70679	300	3743 833	1950	129 6248	529 4958	252768	10	23100	0 26321	0 0021	134	*
IRON	300	DISSOLVED-SOLID	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
IRON	300	HARDNESS	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
IRON	300	HARDNESS	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	271	681 1255	1060 26	184585	300	16000	2005	59 04684	115 1687	118389	3	4500	0 00676	0 9199	224	
IRON	300	HARDNESS	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	139	508 4834	343 8259	70679	300	3743 833	2005	59 04684	115 1687	118389	3	4500	0 12216	0 1581	135	
IRON	300	HARDNESS	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	271	681 1255	1060 26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	271	681 1255	1060 26	184585	300	16000	82	126 3049	59 55653	10357	30	280	0 25662	0 0296	72	*
IRON	300	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	271	681 1255	1060 26	184585	300	16000	1956	47.48958	58 98357	92890	1	1226 333	0 34764	0 0001	220	*
IRON	300	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	139	508 4834	343 8259	70679	300	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	139	508 4834	343 8259	70679	300	3743 833	82	126 3049	59 55653	10357	30	280	1	#N/A	2	
IRON	300	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	139	508 4834	343 8259	70679	300	3743 833	1956	47 48958	58 98357	92890	1	1226 333	0 70558	0 0001	139	*
IRON	300	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
IRON	300	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	271	681 1255	1060 26	184585	300	16000	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	271	681 1255	1060 26	184585	300	16000	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	72	
IRON	300	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	139	508 4834	343 8259	70679	300	3743 833	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	139	508 4834	343 8259	70679	300	3743 833	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	4	
IRON	300	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
IRON	300	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8 4	0.1	0 1	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	271	681 1255	1060 26	184585	300	16000	1360	2 680221	4 271872	3645 1	1	66	-0 03126	0 6425	223	
IRON	300	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	271	681 1255	1060 26	184585	300	16000	331	4 980363	5 31696	1648 5	1	44	0 00216	0 973	248	
IRON	300	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	139	508 4834	343 8259	70679	300	3743 833	1360	2 680221	4 271872	3645 1	1	66	-0 07326	0 4688	100	
IRON	300	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	139	508 4834	343 8259	70679	300	3743 833	331	4 980363	5 31696	1648.5	1	44	-0 26515	0 4049	12	
IRON	300	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
IRON	300	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
IRON	300	NITRATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
IRON	300	NITRATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	271	681 1255	1060 26	184585	300	16000	1320	1 487203	1 696986	1963 108	0 048	21	-0 00783	0 9099	211	
IRON	300	NITRATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	139	508 4834	343 8259	70679	300	3743 833	1320	1 487203	1 696986	1963 108	0 048	21	-0 1571	0 2266	61	
IRON	300	NITRATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0.034763	2 59	0 01	0 22	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	271	681 1255	1060 26	184585	300	16000	2217	0 036188	0 086265	80 22983	0 01	1 9	0 13804	0 0294	249	*
IRON	300	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	271	681.1255	1060 26	184585	300	16000	73	0 035479	0 034763	2 59	0 01	0 22	-0 00205	0 9933	19	
IRON	300	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	139	508 4834	343 8259	70679	300	3743 833	2217	0 036188	0 086265	80 22983	0 01	1.9	-0 0758	0 3933	129	
IRON	300	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	139	508 4834	343 8259	70679	300	3743 833	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	2	
IRON	300	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
IRON	300	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
IRON	300	PH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11.8	#N/A	#N/A	0	
IRON	300	PH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	271	681 1255	1060 26	184585	300	16000	2481	7.19447	0 670099	17849	4	11 8	0 00346	0 9549	270	
IRON	300	PH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	139	508 4834	343 8259	70679	300	3743 833	2481	7.19447	0 670099	17849	4	11 8	-0 27371	0 0013	136	*
IRON	300	PH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	271	681.1255	1060 26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	271	681 1255	1060 26	184585	300	16000	14	0 056429	0 085988	0 79	0 02	0 35	1	#N/A	2	
IRON	300	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	271	681.1255	1060 26	184585	300	16000	11	0 016364	0 015015	0 18	0 01	0 06	1	#N/A	2	
IRON	300	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	139	508 4834	343 8259	70679	300	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	139	508 4834	343 8259	70679	300	3743 833	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	139	508 4834	343 8259	70679	300	3743 833	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	271	681.1255	1060.26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	271	681.1255	1060.26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	271	681.1255	1060.26	184585	300	16000	187	1	0	187	1	1	#N/A	#N/A	24	
IRON	300	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	271	681.1255	1060.26	184585	300	16000	54	1	0	54	1	1	#N/A	#N/A	49	
IRON	300	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	139	508.4834	343.8259	70679	300	3743.833	187	1	0	187	1	1	#N/A	#N/A	8	
IRON	300	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	139	508.4834	343.8259	70679	300	3743.833	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
IRON	300	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	300	SULFATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
IRON	300	SULFATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	271	681.1255	1060.26	184585	300	16000	2039	15.0177	38.42249	30621	0.5	1700	-0.05651	0.3999	224	
IRON	300	SULFATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	139	508.4834	343.8259	70679	300	3743.833	2039	15.0177	38.42249	30621	0.5	1700	-0.19123	0.0257	136	*
IRON	300	SULFATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	271	681.1255	1060.26	184585	300	16000	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	271	681.1255	1060.26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	139	508.4834	343.8259	70679	300	3743.833	2	0.5	0	1	0.5	0.5	#N/A	#N/A	1	
IRON	300	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
IRON	300	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	TURBIDITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
IRON	300	TURBIDITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	271	681.1255	1060.26	184585	300	16000	1376	2.723205	3.508161	3747.13	0.1	43	0.82252	0.0001	200	*
IRON	300	TURBIDITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	139	508.4834	343.8259	70679	300	3743.833	1376	2.723205	3.508161	3747.13	0.1	43	0.11347	0.2788	93	
IRON	300	TURBIDITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
IRON	300	URANIUM-235	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-235	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	271	681.1255	1060.26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-235	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-235	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	271	681.1255	1060.26	184585	300	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	URANIUM-238	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	139	508.4834	343.8259	70679	300	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	300	URANIUM-238	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	271	681.1255	1060.28	184585	300	16000	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	139	508.4834	343.8259	70679	300	3743.833	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	300	WELL-DEPTH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
IRON	2500	ALKALINITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ALKALINITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	4	7075	6086.803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ALKALINITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	3743.833	#N/A	3743.833	3743.833	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ALKALINITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	4	7075	6086.803	28300	3000	16000	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	1	
IRON	2500	ANTIMONY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	4	7075	6086.803	28300	3000	16000	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	3743.833	#N/A	3743.833	3743.833	3743.833	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	1	
IRON	2500	ANTIMONY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	3743.833	#N/A	3743.833	3743.833	3743.833	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
IRON	2500	ANTIMONY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	4	7075	6086.803	28300	3000	16000	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	4	7075	6086.803	28300	3000	16000	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	3743.833	#N/A	3743.833	3743.833	3743.833	33	1.212121	0.545297	40	1	3	#N/A	#N/A	1	
IRON	2500	ARSENIC	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	3743.833	#N/A	3743.833	3743.833	3743.833	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
IRON	2500	ARSENIC	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	4	7075	6086.803	28300	3000	16000	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	1	
IRON	2500	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	4	7075	6086.803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	4	7075	6086.803	28300	3000	16000	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	3743.833	#N/A	3743.833	3743.833	3743.833	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	1	
IRON	2500	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	3743.833	#N/A	3743.833	3743.833	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	3743.833	#N/A	3743.833	3743.833	3743.833	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	BARIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	4	7075	6086.803	28300	3000	16000	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	BERYLLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	4	7075	6086 803	28300	3000	16000	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	3743 833	#N/A	3743 833	3743 833	3743 833	929	0.99785	0 04637	927	0 5	1 5	#N/A	#N/A	1	
IRON	2500	BERYLLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
IRON	2500	BERYLLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
IRON	2500	CADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
IRON	2500	CADMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
IRON	2500	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	4	7075	6086 803	28300	3000	16000	1234	0 999664	0 135368	1233 585	0.1	3	#N/A	#N/A	4	
IRON	2500	CADMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	4	7075	6086 803	28300	3000	16000	331	1 009063	0.094913	334	1	2	#N/A	#N/A	4	
IRON	2500	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	1	
IRON	2500	CADMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	3743 833	#N/A	3743 833	3743 833	3743 833	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
IRON	2500	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233.585	0 1	3	#N/A	#N/A	0	
IRON	2500	CADMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	4	7075	6086 803	28300	3000	16000	1231	1 346791	4.170651	1657.9	1	116	#N/A	#N/A	4	
IRON	2500	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	4	7075	6086 803	28300	3000	16000	331	2 468278	5 341778	817	1	73	-0 65063	0 3494	4	
IRON	2500	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	1	
IRON	2500	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	3743 833	#N/A	3743 833	3743 833	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	3743 833	#N/A	3743 833	3743 833	3743 833	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CHROMIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	4	7075	6086 803	28300	3000	16000	5930	220.8052	874 9516	1309375	3	38700	-0 24819	0 7518	4	
IRON	2500	CONDUCTANCE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	3743 833	#N/A	3743 833	3743 833	3743 833	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
IRON	2500	CONDUCTANCE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	4	7075	6086 803	28300	3000	16000	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	3743 833	#N/A	3743 833	3743 833	3743 833	5	0.01	0	0 05	0 01	0.01	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	3743 833	#N/A	3743 833	3743 833	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
IRON	2500	CYANIDE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	3743 833	#N/A	3743 833	3743 833	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	DEPTH-BELOW-LAN	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	4	7075	6086 803	28300	3000	16000	2381	10 08867	2 848372	24021	0 5	15 9	-0 36905	0 6309	4	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	3743 833	#N/A	3743 833	3743 833	3743 833	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
IRON	2500	DISSOLVED-OXYGE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	4	7075	6086 803	28300	3000	16000	1950	129 6248	529.4958	252768	10	23100	-0 17246	0 8275	4	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	3743 833	#N/A	3743 833	3743.833	3743 833	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	1	
IRON	2500	DISSOLVED-SOLID	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
IRON	2500	HARDNESS	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
IRON	2500	HARDNESS	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	4	7075	6086 803	28300	3000	16000	2005	59 04684	115 1687	118389	3	4500	-0 86196	0 138	4	
IRON	2500	HARDNESS	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	3743 833	#N/A	3743 833	3743 833	3743 833	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	1	
IRON	2500	HARDNESS	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59 55653	10357	30	280	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	4	7075	6086 803	28300	3000	16000	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	4	7075	6086 803	28300	3000	16000	1956	47 48958	58 98357	92890	1	1226 333	0 9604	0 0396	4	*
IRON	2500	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	3743 833	#N/A	3743 833	3743 833	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	3743.833	#N/A	3743 833	3743 833	3743 833	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1956	47.48958	58 98357	92890	1	1226.333	#N/A	#N/A	1	
IRON	2500	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
IRON	2500	MANGANESE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0 1	0.1	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	4	7075	6086 803	28300	3000	16000	1	0.3	#N/A	0 3	0.3	0 3	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	4	7075	6086 803	28300	3000	16000	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	3743 833	#N/A	3743 833	3743 833	3743 833	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
IRON	2500	MERCURY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0.1	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	4	7075	6086 803	28300	3000	16000	1360	2 680221	4 271872	3645 1	1	66	0 56708	0 4329	4	
IRON	2500	NICKEL	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	4	7075	6086 803	28300	3000	16000	331	4 980363	5 31696	1648 5	1	44	-0 49576	0 5042	4	
IRON	2500	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	1	
IRON	2500	NICKEL	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	3743.833	#N/A	3743.833	3743 833	3743.833	331	4 980363	5 31696	1648.5	1	44	#N/A	#N/A	0	
IRON	2500	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	NICKEL	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
IRON	2500	NITRATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
IRON	2500	NITRATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	4	7075	6086.803	28300	3000	16000	1320	1.487203	1.696986	1963.108	0.048	21	-0.12535	0.92	3	
IRON	2500	NITRATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	3743.833	#N/A	3743.833	3743.833	3743.833	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
IRON	2500	NITRATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	4	7075	6086.803	28300	3000	16000	2217	0.036188	0.086265	80.22983	0.01	1.9	0.97135	0.1528	3	
IRON	2500	NITRITE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	4	7075	6086.803	28300	3000	16000	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	1	
IRON	2500	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	3743.833	#N/A	3743.833	3743.833	3743.833	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	1	
IRON	2500	NITRITE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	3743.833	#N/A	3743.833	3743.833	3743.833	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
IRON	2500	NITRITE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
IRON	2500	PH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
IRON	2500	PH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	4	7075	6086.803	28300	3000	16000	2481	7.19447	0.670099	17849	4	11.8	-0.86884	0.1312	4	
IRON	2500	PH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	3743.833	#N/A	3743.833	3743.833	3743.833	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
IRON	2500	PH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	4	7075	6086.803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	4	7075	6086.803	28300	3000	16000	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	4	7075	6086.803	28300	3000	16000	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	3743.833	#N/A	3743.833	3743.833	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	3743.833	#N/A	3743.833	3743.833	3743.833	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	3743.833	#N/A	3743.833	3743.833	3743.833	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
IRON	2500	RADIUM-226	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	4	7075	6086.803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	4	7075	6086.803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P76002	RADON 222-PE-P76002-(PCI/L)	1	3743.833	#N/A	3743.833	3743.833	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	3743.833	#N/A	3743.833	3743.833	3743.833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	RADON	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	4	7075	6086.803	28300	3000	16000	187	1	0	187	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
IRON	2500	SELENIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	4	7075	6086 803	28300	3000	16000	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	3743 833	#N/A	3743 833	3743 833	3743 833	187	1	0	187	1	1	#N/A	#N/A	1	
IRON	2500	SELENIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	3743 833	#N/A	3743 833	3743 833	3743 833	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
IRON	2500	SELENIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
IRON	2500	SULFATE	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
IRON	2500	SULFATE	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	4	7075	6086 803	28300	3000	16000	2039	15 0177	38 42249	30621	0.5	1700	0 48762	0 5124	4	
IRON	2500	SULFATE	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	1	3743 833	#N/A	3743 833	3743 833	3743 833	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	1	
IRON	2500	SULFATE	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	4	7075	6086 803	28300	3000	16000	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	3743 833	#N/A	3743 833	3743 833	3743 833	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	3743 833	#N/A	3743 833	3743 833	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0.5	0 5	#N/A	#N/A	0	
IRON	2500	THALLIUM	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	TURBIDITY	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
IRON	2500	TURBIDITY	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	4	7075	6086 803	28300	3000	16000	1376	2 723205	3 508161	3747 13	0 1	43	0 92317	0 2512	3	
IRON	2500	TURBIDITY	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P00076	TURBIDITY-P00076-(NTU)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
IRON	2500	TURBIDITY	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
IRON	2500	URANIUM-235	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-235	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-235	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	3743 833	#N/A	3743 833	3743 833	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-235	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	4	7075	6086 803	28300	3000	16000	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	3743 833	#N/A	3743 833	3743 833	3743 833	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	URANIUM-238	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	4	7075	6086 803	28300	3000	16000	1	20 5	#N/A	20.5	20 5	20 5	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	P72008	DEPTH OF WELL-P72008-(FEET)	1	3743 833	#N/A	3743 833	3743 833	3743 833	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
IRON	2500	WELL-DEPTH	SURFACE WATER	P01047	IRON-FERROUS-P01047-(UG/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	82	126 3049	59 55653	10357	30	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	ALKALINITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1956	47 48958	58 98357	92890	1	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	CONDUCTANCE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
MANGANESE	0	CONDUCTANCE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	82	126 3049	59 55653	10357	30	280	5930	220 8052	874 9516	1309375	3	38700	0 61518	0 0001	82	*
MANGANESE	0	CONDUCTANCE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1956	47 48958	58 98357	92890	1	1226 333	5930	220 8052	874 9516	1309375	3	38700	0 0928	0 0001	1947	*
MANGANESE	0	DEPTH-BELOW-LAN	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	0	DEPTH-BELOW-LAN	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	82	126 3049	59 55653	10357	30	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	DEPTH-BELOW-LAN	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1956	47.48958	58 98357	92890	1	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	DISSOLVED-OXYGE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 84837	24021	0 5	15 9	#N/A	#N/A	0	
MANGANESE	0	DISSOLVED-OXYGE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	82	126 3049	59 55653	10357	30	280	2381	10 08867	2 84837	24021	0 5	15 9	-0 45517	0 0001	82	*
MANGANESE	0	DISSOLVED-OXYGE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1956	47 48958	58 98357	92890	1	1226 333	2381	10 08867	2 84837	24021	0 5	15 9	-0 16415	0 0001	1899	*
MANGANESE	0	DISSOLVED-SOLID	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
MANGANESE	0	DISSOLVED-SOLID	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	82	126 3049	59 55653	10357	30	280	1950	129 6248	529 4958	252768	10	23100	0 6828	0 0001	38	*
MANGANESE	0	DISSOLVED-SOLID	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1956	47 48958	58 98357	92890	1	1226 333	1950	129 6248	529 4958	252768	10	23100	0 07845	0 0007	1875	*
MANGANESE	0	HARDNESS	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115.1687	118389	3	4500	#N/A	#N/A	0	
MANGANESE	0	HARDNESS	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	82	126 3049	59 55653	10357	30	280	2005	59 04684	115.1687	118389	3	4500	0 48519	0 002	38	*
MANGANESE	0	HARDNESS	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1956	47.48958	58 98357	92890	1	1226 333	2005	59 04684	115 1687	118389	3	4500	0 09062	0 0001	1923	*
MANGANESE	0	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
MANGANESE	0	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
MANGANESE	0	MERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	82	126 3049	59 55653	10357	30	280	1	0.3	#N/A	0.3	0 3	0 3	#N/A	#N/A	1	
MANGANESE	0	MERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	82	126 3049	59 55653	10357	30	280	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	81	
MANGANESE	0	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1956	47.48958	58 98357	92890	1	1226 333	1	0 3	#N/A	0.3	0 3	0 3	#N/A	#N/A	1	
MANGANESE	0	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1956	47 48958	58 98357	92890	1	1226 333	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	33	
MANGANESE	0	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 68022	4 27187	3645.1	1	66	#N/A	#N/A	0	
MANGANESE	0	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 98036	5 31696	1648 5	1	44	#N/A	#N/A	0	
MANGANESE	0	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	82	126 3049	59 55653	10357	30	280	1360	2 68022	4 27187	3645 1	1	66	0 55665	0 0011	31	*
MANGANESE	0	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	82	126 3049	59 55653	10357	30	280	331	4 98036	5 31696	1648.5	1	44	0 50875	0 0001	54	*
MANGANESE	0	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1956	47 48958	58.98357	92890	1	1226 333	1360	2 68022	4.27187	3645.1	1	66	0 28806	0 0001	1354	*
MANGANESE	0	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1956	47 48958	58 98357	92890	1	1226 333	331	4 98036	5 31696	1648 5	1	44	0 36211	0 0001	275	*
MANGANESE	0	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 03619	0 08626	80 22983	0 01	1 9	#N/A	#N/A	0	
MANGANESE	0	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 03548	0 03476	2 59	0 01	0.22	#N/A	#N/A	0	
MANGANESE	0	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	82	126 3049	59 55653	10357	30	280	2217	0 03619	0 08626	80 22983	0 01	1 9	0 2632	0 0183	80	*
MANGANESE	0	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	82	126 3049	59 55653	10357	30	280	73	0 03548	0 03476	2 59	0.01	0 22	-1	#N/A	2	
MANGANESE	0	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1956	47 48958	58 98357	92890	1	1226 333	2217	0 03619	0 08626	80 22983	0 01	1 9	0 20685	0 0001	1880	*
MANGANESE	0	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1956	47.48958	58 98357	92890	1	1226 333	73	0 03548	0 03476	2 59	0 01	0 22	0 34099	0 0118	54	*
MANGANESE	0	PH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 6701	17849	4	11 8	#N/A	#N/A	0	
MANGANESE	0	PH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	82	126 3049	59 55653	10357	30	280	2481	7.19447	0 6701	17849	4	11 8	0 04655	0 6779	82	
MANGANESE	0	PH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1956	47.48958	58 98357	92890	1	1226 333	2481	7.19447	0 6701	17849	4	11 8	-0 03758	0 0976	1944	
MANGANESE	0	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
MANGANESE	0	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MANGANESE	0	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	82	126.3049	59 55653	10357	30	280	187	1	0	187	1	1	#N/A	#N/A	26	
MANGANESE	0	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	82	126 3049	59.55653	10357	30	280	54	1	0	54	1	1	#N/A	#N/A	54	
MANGANESE	0	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1956	47 48958	58 98357	92890	1	1226 333	187	1	0	187	1	1	#N/A	#N/A	187	
MANGANESE	0	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1956	47.48958	58 98357	92890	1	1226 333	54	1	0	54	1	1	#N/A	#N/A	3	
MANGANESE	0	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	0	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	82	126 3049	59 55653	10357	30	280	2	0.5	0	1	0.5	0 5	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	82	126 3049	59 55653	10357	30	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1956	47 48958	58 98357	92890	1	1226 333	2	0 5	0	1	0 5	0 5	#N/A	#N/A	2	
MANGANESE	0	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1956	47 48958	58 98357	92890	1	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	0	TURBIDITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 7232	3 50816	3747.13	0.1	43	#N/A	#N/A	0	
MANGANESE	0	TURBIDITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	82	126 3049	59 55653	10357	30	280	1376	2.7232	3 50816	3747 13	0.1	43	0 27182	0.1036	37	
MANGANESE	0	TURBIDITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	1956	47 48958	58 98357	92890	1	1226 333	1376	2 7232	3 50816	3747 13	0 1	43	0 11979	0 0001	1276	*
MANGANESE	0	WELL-DEPTH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
MANGANESE	0	WELL-DEPTH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	82	126 3049	59 55653	10357	30	280	1	20 5	#N/A	20.5	20 5	20.5	#N/A	#N/A	0	
MANGANESE	0	WELL-DEPTH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	1956	47 48958	58 98357	92890	1	1226 333	1	20 5	#N/A	20.5	20 5	20 5	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ALKALINITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 01187	0.15177	938	1	3.8	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	75	134 3067	55 85308	10073	50	280	927	1 01187	0 15177	938	1	3.8	0 25568	0 2279	24	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	75	134 3067	55.85308	10073	50	280	1	1	#N/A	1	1	1	#N/A	#N/A	1	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	621	104 2008	76 87315	64709	50	1226 333	927	1 01187	0.15177	938	1	3 8	-0 00435	0 9342	363	
MANGANESE	50	ANTIMONY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	621	104 2008	76 87315	64709	50	1226 333	1	1	#N/A	1	1	1	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 21212	0 5453	40	1	3	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.31944	0 62408	95	1	4	#N/A	#N/A	0	
MANGANESE	50	ARSENIC	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	75	134 3067	55 85308	10073	50	280	33	1 21212	0.5453	40	1	3	0 22419	0 3038	23	
MANGANESE	50	ARSENIC	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	75	134 3067	55 85308	10073	50	280	72	1 31944	0 62408	95	1	4	0.13949	0 253	69	
MANGANESE	50	ARSENIC	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	621	104 2008	76 87315	64709	50	1226 333	33	1 21212	0 5453	40	1	3	0 00262	0.9901	25	
MANGANESE	50	ARSENIC	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	621	104 2008	76 87315	64709	50	1226 333	72	1 31944	0 62408	95	1	4	0 02721	0 9174	17	
MANGANESE	50	BARIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28.85104	27635	3	270	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	75	134 3067	55 85308	10073	50	280	1082	25 5403	28 85104	27635	3	270	0 0356	0 8829	26	
MANGANESE	50	BARIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	75	134.3067	55 85308	10073	50	280	1	100	#N/A	100	100	100	#N/A	#N/A	1	
MANGANESE	50	BARIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	621	104 2008	76 87315	64709	50	1226 333	1082	25 5403	28.85104	27635	3	270	0.20652	0 0001	381	*
MANGANESE	50	BARIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	BARIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	621	104 2008	76 87315	64709	50	1226 333	1	100	#N/A	100	100	100	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	75	134 3067	55 85308	10073	50	280	929	0 99785	0 04637	927	0 5	1 5	-0 33877	0 0976	25	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	75	134.3067	55 85308	10073	50	280	1	10	#N/A	10	10	10	#N/A	#N/A	1	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	621	104 2008	76 87315	64709	50	1226 333	929	0 99785	0 04637	927	0 5	1 5	-0 05683	0 2796	364	
MANGANESE	50	BERYLLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	621	104 2008	76 87315	64709	50	1226 333	1	10	#N/A	10	10	10	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	CADMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.99966	0.13537	1233.585	0.1	3	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.00906	0.09491	334	1	2	#N/A	#N/A	0	
MANGANESE	50	CADMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	75	134.3067	55.85308	10073	50	280	1234	0.99966	0.13537	1233.585	0.1	3	-0.08544	0.6847	25	
MANGANESE	50	CADMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	75	134.3067	55.85308	10073	50	280	331	1.00906	0.09491	334	1	2	#N/A	#N/A	52	
MANGANESE	50	CADMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	621	104.2008	76.87315	64709	50	1226.333	1234	0.99966	0.13537	1233.585	0.1	3	-0.02774	0.5499	467	
MANGANESE	50	CADMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	621	104.2008	76.87315	64709	50	1226.333	331	1.00906	0.09491	334	1	2	0.13583	0.1162	135	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.34679	4.17065	1657.9	1	116	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.46828	5.34178	817	1	73	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	75	134.3067	55.85308	10073	50	280	1231	1.34679	4.17065	1657.9	1	116	0.35548	0.0812	25	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	75	134.3067	55.85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	75	134.3067	55.85308	10073	50	280	331	2.46828	5.34178	817	1	73	-0.22013	0.1169	52	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	621	104.2008	76.87315	64709	50	1226.333	1231	1.34679	4.17065	1657.9	1	116	0.04386	0.3443	467	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	621	104.2008	76.87315	64709	50	1226.333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CHROMIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	621	104.2008	76.87315	64709	50	1226.333	331	2.46828	5.34178	817	1	73	0.08951	0.3019	135	
MANGANESE	50	CONDUCTANCE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
MANGANESE	50	CONDUCTANCE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	75	134.3067	55.85308	10073	50	280	5930	220.8052	874.9516	1309375	3	38700	0.51241	0.0001	75	*
MANGANESE	50	CONDUCTANCE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	621	104.2008	76.87315	64709	50	1226.333	5930	220.8052	874.9516	1309375	3	38700	0.02483	0.5379	618	
MANGANESE	50	CYANIDE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	75	134.3067	55.85308	10073	50	280	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	75	134.3067	55.85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	CYANIDE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	621	104.2008	76.87315	64709	50	1226.333	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	2	
MANGANESE	50	CYANIDE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	621	104.2008	76.87315	64709	50	1226.333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	75	134.3067	55.85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	DEPTH-BELOW-LAN	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72019	DEPTH BELOW LAND-P72019-(FEET)	621	104.2008	76.87315	64709	50	1226.333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-OXYGE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.84837	24021	0.5	15.9	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-OXYGE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	75	134.3067	55.85308	10073	50	280	2381	10.08867	2.84837	24021	0.5	15.9	-0.40827	0.0003	75	*
MANGANESE	50	DISSOLVED-OXYGE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	621	104.2008	76.87315	64709	50	1226.333	2381	10.08867	2.84837	24021	0.5	15.9	-0.13916	0.0006	598	*
MANGANESE	50	DISSOLVED-SOLID	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
MANGANESE	50	DISSOLVED-SOLID	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	75	134.3067	55.85308	10073	50	280	1950	129.6248	529.4958	252768	10	23100	0.55173	0.0011	32	*
MANGANESE	50	DISSOLVED-SOLID	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	621	104.2008	76.87315	64709	50	1226.333	1950	129.6248	529.4958	252768	10	23100	0.01769	0.6683	589	
MANGANESE	50	HARDNESS	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
MANGANESE	50	HARDNESS	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	75	134.3067	55.85308	10073	50	280	2005	59.04684	115.1687	118389	3	4500	0.34848	0.0506	32	
MANGANESE	50	HARDNESS	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	621	104.2008	76.87315	64709	50	1226.333	2005	59.04684	115.1687	118389	3	4500	0.01482	0.7155	607	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	75	134.3067	55.85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	75	134.3067	55.85308	10073	50	280	359	567.7716	942.462	203830	100	16000	0.31405	0.0061	75	*
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	75	134.3067	55.85308	10073	50	280	1935	135.4852	151.6656	262184	3	3743.833	-0.32	0.68	4	
MANGANESE	50	IRON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	75	134.3067	55.85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	621	104.2008	76.87315	64709	50	1226.333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	621	104.2008	76.87315	64709	50	1226.333	359	567.7716	942.462	203830	100	16000	0.45992	0.0001	155	*
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	621	104.2008	76.87315	64709	50	1226.333	1935	135.4852	151.6656	262184	3	3743.833	0.55007	0.0001	601	*
MANGANESE	50	IRON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01047	IRON-FERROUS-P01047-(UG/L)	621	104.2008	76.87315	64709	50	1226.333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
MANGANESE	50	MERCURY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
MANGANESE	50	MERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	75	134.3067	55.85308	10073	50	280	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	1	
MANGANESE	50	MERCURY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	75	134.3067	55.85308	10073	50	280	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	74	
MANGANESE	50	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	621	104.2008	76.87315	64709	50	1226.333	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
MANGANESE	50	MERCURY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	621	104.2008	76.87315	64709	50	1226.333	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	24	
MANGANESE	50	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.68022	4.27187	3645.1	1	66	#N/A	#N/A	0	
MANGANESE	50	NICKEL	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.98036	5.31696	1648.5	1	44	#N/A	#N/A	0	
MANGANESE	50	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	75	134.3067	55.85308	10073	50	280	1360	2.68022	4.27187	3645.1	1	66	0.44771	0.0218	26	*
MANGANESE	50	NICKEL	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	75	134.3067	55.85308	10073	50	280	331	4.98036	5.31696	1648.5	1	44	0.4295	0.0015	52	*
MANGANESE	50	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	621	104.2008	76.87315	64709	50	1226.333	1360	2.68022	4.27187	3645.1	1	66	0.08139	0.0742	482	
MANGANESE	50	NICKEL	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	621	104.2008	76.87315	64709	50	1226.333	331	4.98036	5.31696	1648.5	1	44	0.18267	0.034	135	*
MANGANESE	50	NITRATE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.4872	1.69699	1963.108	0.048	21	#N/A	#N/A	0	
MANGANESE	50	NITRATE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	75	134.3067	55.85308	10073	50	280	1320	1.4872	1.69699	1963.108	0.048	21	0.18258	0.1455	65	
MANGANESE	50	NITRATE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	621	104.2008	76.87315	64709	50	1226.333	1320	1.4872	1.69699	1963.108	0.048	21	0.0105	0.8118	517	
MANGANESE	50	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.03619	0.08626	80.22983	0.01	1.9	#N/A	#N/A	0	
MANGANESE	50	NITRITE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.03548	0.03476	2.59	0.01	0.22	#N/A	#N/A	0	
MANGANESE	50	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	75	134.3067	55.85308	10073	50	280	2217	0.03619	0.08626	80.22983	0.01	1.9	0.21157	0.0724	73	
MANGANESE	50	NITRITE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	75	134.3067	55.85308	10073	50	280	73	0.03548	0.03476	2.59	0.01	0.22	-1	#N/A	2	
MANGANESE	50	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	621	104.2008	76.87315	64709	50	1226.333	2217	0.03619	0.08626	80.22983	0.01	1.9	0.04011	0.325	604	
MANGANESE	50	NITRITE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	621	104.2008	76.87315	64709	50	1226.333	73	0.03548	0.03476	2.59	0.01	0.22	0.0143	0.9581	16	
MANGANESE	50	PH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.6701	17849	4	11.8	#N/A	#N/A	0	
MANGANESE	50	PH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	75	134.3067	55.85308	10073	50	280	2481	7.19447	0.6701	17849	4	11.8	0.06153	0.6	75	
MANGANESE	50	PH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	621	104.2008	76.87315	64709	50	1226.333	2481	7.19447	0.6701	17849	4	11.8	-0.15467	0.0001	617	*
MANGANESE	50	RADIUM-226	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.05643	0.08599	0.79	0.02	0.35	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.01636	0.01502	0.18	0.01	0.06	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	75	134.3067	55.85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	75	134.3067	55.85308	10073	50	280	14	0.05643	0.08599	0.79	0.02	0.35	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	75	134.3067	55.85308	10073	50	280	11	0.01636	0.01502	0.18	0.01	0.06	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	621	104.2008	76.87315	64709	50	1226.333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADIUM-226	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	621	104.2008	76.87315	64709	50	1226.333	14	0.05643	0.08599	0.79	0.02	0.35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MANGANESE	50	RADIUM-226	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	621	104 2008	76 87315	64709	50	1226 333	11	0 01636	0 01502	0 18	0 01	0 06	#N/A	#N/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P76002	RADON 222-PE-P76002-(PCI/L)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	RADON	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MANGANESE	50	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	75	134 3067	55 85308	10073	50	280	187	1	0	187	1	1	#N/A	#N/A	24	
MANGANESE	50	SELENIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	75	134 3067	55 85308	10073	50	280	54	1	0	54	1	1	#N/A	#N/A	52	
MANGANESE	50	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	621	104 2008	76 87315	64709	50	1226 333	187	1	0	187	1	1	#N/A	#N/A	42	
MANGANESE	50	SELENIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	621	104 2008	76 87315	64709	50	1226 333	54	1	0	54	1	1	#N/A	#N/A	2	
MANGANESE	50	SULFATE	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
MANGANESE	50	SULFATE	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	75	134 3067	55 85308	10073	50	280	2039	15 0177	38 42249	30621	0 5	1700	0 52227	0 0022	32	*
MANGANESE	50	SULFATE	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	621	104 2008	76 87315	64709	50	1226 333	2039	15 0177	38 42249	30621	0 5	1700	0 00445	0 9129	607	
MANGANESE	50	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	75	134 3067	55 85308	10073	50	280	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	621	104 2008	76 87315	64709	50	1226 333	2	0.5	0	1	0 5	0 5	#N/A	#N/A	2	
MANGANESE	50	THALLIUM	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	TURBIDITY	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 7232	3 50816	3747.13	0 1	43	#N/A	#N/A	0	
MANGANESE	50	TURBIDITY	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	75	134 3067	55 85308	10073	50	280	1376	2 7232	3 50816	3747 13	0 1	43	0 17434	0 3482	31	
MANGANESE	50	TURBIDITY	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P00076	TURBIDITY-P00076-(NTU)	621	104 2008	76 87315	64709	50	1226 333	1376	2 7232	3.50816	3747.13	0 1	43	-0 03298	0 4912	438	
MANGANESE	50	URANIUM-235	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-235	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-235	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	75	134 3067	55 85308	10073	50	280	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	URANIUM-238	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	621	104 2008	76 87315	64709	50	1226 333	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	SURFACE WATER	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20.5	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	SURFACE WATER	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	75	134 3067	55 85308	10073	50	280	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
MANGANESE	50	WELL-DEPTH	SURFACE WATER	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	P72008	DEPTH OF WELL-P72008-(FEET)	621	104 2008	76 87315	64709	50	1226 333	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
MERCURY	0	ALKALINITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	0 3	#N/A	0.3	0 3	0 3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	ALKALINITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	84	0 1	0	8 4	0 1	0 1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	CONDUCTANCE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	0 3	#N/A	0 3	0 3	0 3	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	1	
MERCURY	0	CONDUCTANCE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	84	0 1	0	8 4	0 1	0 1	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	84	
MERCURY	0	DEPTH-BELOW-LAN	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	0 3	#N/A	0 3	0 3	0 3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	DEPTH-BELOW-LAN	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72019	DEPTH BELOW LAND-P72019-(FEET)	84	0.1	0	8.4	0 1	0 1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	0	DISSOLVED-OXYGE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	0.3	#N/A	0.3	0.3	0.3	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	1	
MERCURY	0	DISSOLVED-OXYGE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	84	0.1	0	8.4	0.1	0.1	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	84	
MERCURY	0	DISSOLVED-SOLID	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	0.3	#N/A	0.3	0.3	0.3	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	1	
MERCURY	0	DISSOLVED-SOLID	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	84	0.1	0	8.4	0.1	0.1	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	40	
MERCURY	0	HARDNESS	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	0.3	#N/A	0.3	0.3	0.3	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	1	
MERCURY	0	HARDNESS	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	84	0.1	0	8.4	0.1	0.1	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	40	
MERCURY	0	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	0.3	#N/A	0.3	0.3	0.3	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	1	
MERCURY	0	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	0.3	#N/A	0.3	0.3	0.3	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	1	
MERCURY	0	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	84	0.1	0	8.4	0.1	0.1	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	33	
MERCURY	0	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	84	0.1	0	8.4	0.1	0.1	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	55	
MERCURY	0	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	0.3	#N/A	0.3	0.3	0.3	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	1	
MERCURY	0	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	0.3	#N/A	0.3	0.3	0.3	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
MERCURY	0	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	84	0.1	0	8.4	0.1	0.1	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	82	
MERCURY	0	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	84	0.1	0	8.4	0.1	0.1	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	2	
MERCURY	0	PH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	0.3	#N/A	0.3	0.3	0.3	2481	7.19447	0.670099	17849	4	11.6	#N/A	#N/A	1	
MERCURY	0	PH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	84	0.1	0	8.4	0.1	0.1	2481	7.19447	0.670099	17849	4	11.6	#N/A	#N/A	84	
MERCURY	0	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	0.3	#N/A	0.3	0.3	0.3	187	1	0	187	1	1	#N/A	#N/A	1	
MERCURY	0	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	0.3	#N/A	0.3	0.3	0.3	54	1	0	54	1	1	#N/A	#N/A	1	
MERCURY	0	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	84	0.1	0	8.4	0.1	0.1	187	1	0	187	1	1	#N/A	#N/A	28	
MERCURY	0	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	84	0.1	0	8.4	0.1	0.1	54	1	0	54	1	1	#N/A	#N/A	54	
MERCURY	0	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	0.3	#N/A	0.3	0.3	0.3	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
MERCURY	0	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	0.3	#N/A	0.3	0.3	0.3	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	84	0.1	0	8.4	0.1	0.1	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
MERCURY	0	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	84	0.1	0	8.4	0.1	0.1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	0	TURBIDITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	1	0.3	#N/A	0.3	0.3	0.3	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
MERCURY	0	TURBIDITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	84	0.1	0	8.4	0.1	0.1	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	39	
MERCURY	0	WELL-DEPTH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	1	0.3	#N/A	0.3	0.3	0.3	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
MERCURY	0	WELL-DEPTH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	84	0.1	0	8.4	0.1	0.1	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
MERCURY	2	ANTIMONY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
MERCURY	2	ARSENIC	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
MERCURY	2	ARSENIC	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
MERCURY	2	ARSENIC	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
MERCURY	2	ARSENIC	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	BARIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	BARIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
MERCURY	2	BERYLLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
MERCURY	2	CADMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
MERCURY	2	CADMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
MERCURY	2	CADMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
MERCURY	2	CADMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CHROMIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
MERCURY	2	CONDUCTANCE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
MERCURY	2	CONDUCTANCE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
MERCURY	2	CYANIDE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
MERCURY	2	CYANIDE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	CYANIDE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
MERCURY	2	CYANIDE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-OXYGE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-OXYGE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-SOLID	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
MERCURY	2	DISSOLVED-SOLID	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
MERCURY	2	HARDNESS	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1887	118389	3	4500	#N/A	#N/A	0	
MERCURY	2	HARDNESS	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1887	118389	3	4500	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
MERCURY	2	IRON	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
MERCURY	2	MANGANESE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
MERCURY	2	MANGANESE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1220 333	#N/A	#N/A	0	
MERCURY	2	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4.271872	3645 1	1	66	#N/A	#N/A	0	
MERCURY	2	NICKEL	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
MERCURY	2	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645.1	1	66	#N/A	#N/A	0	
MERCURY	2	NICKEL	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5.31696	1648 5	1	44	#N/A	#N/A	0	
MERCURY	2	NITRATE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
MERCURY	2	NITRATE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
MERCURY	2	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
MERCURY	2	NITRITE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
MERCURY	2	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0.086265	80 22983	0 01	1 9	#N/A	#N/A	0	
MERCURY	2	NITRITE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
MERCURY	2	PH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11.8	#N/A	#N/A	0	
MERCURY	2	PH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0.79	0 02	0 35	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
MERCURY	2	RADIUM-226	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
MERCURY	2	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
MERCURY	2	SELENIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MERCURY	2	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
MERCURY	2	SELENIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
MERCURY	2	SULFATE	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
MERCURY	2	SULFATE	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	
MERCURY	2	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
MERCURY	2	THALLIUM	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
MERCURY	2	THALLIUM	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
MERCURY	2	TURBIDITY	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
MERCURY	2	TURBIDITY	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
MERCURY	2	WELL-DEPTH	SURFACE WATER	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
MERCURY	2	WELL-DEPTH	SURFACE WATER	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
NICKEL	0	ALKALINITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1360	2 680221	4.271872	3645.1	1	66	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	ALKALINITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	331	4 980363	5 31696	1648 5	1	44	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	CONDUCTANCE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1360	2.680221	4 271872	3645.1	1	66	5930	220 8052	874.9516	1309375	3	38700	0 46875	0 0001	1355	*
NICKEL	0	CONDUCTANCE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	331	4 980363	5 31696	1648 5	1	44	5930	220 8052	874 9516	1309375	3	38700	0 42309	0 0001	330	*
NICKEL	0	DEPTH-BELOW-LAN	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1360	2.680221	4.271872	3645.1	1	66	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	DEPTH-BELOW-LAN	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72019	DEPTH BELOW LAND-P72019-(FEET)	331	4 980363	5 31696	1648 5	1	44	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	0	DISSOLVED-OXYGE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1360	2.680221	4.271872	3645.1	1	66	2381	10.08867	2.848372	24021	0.5	15.9	-0.16918	0.0001	1338	*
NICKEL	0	DISSOLVED-OXYGE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	331	4.980363	5.31696	1648.5	1	44	2381	10.08867	2.848372	24021	0.5	15.9	-0.22336	0.0001	329	*
NICKEL	0	DISSOLVED-SOLID	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1360	2.680221	4.271872	3645.1	1	66	1950	129.6248	529.4958	252768	10	23100	0.48633	0.0001	1293	*
NICKEL	0	DISSOLVED-SOLID	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	331	4.980363	5.31696	1648.5	1	44	1950	129.6248	529.4958	252768	10	23100	0.43461	0.0001	270	*
NICKEL	0	HARDNESS	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1360	2.680221	4.271872	3645.1	1	66	2005	59.04684	115.1687	118389	3	4500	0.16093	0.0001	1341	*
NICKEL	0	HARDNESS	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	331	4.980363	5.31696	1648.5	1	44	2005	59.04684	115.1687	118389	3	4500	0.12519	0.0310	294	*
NICKEL	0	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1360	2.680221	4.271872	3645.1	1	66	2217	0.036188	0.086265	80.22983	0.01	1.9	0.4109	0.0001	1317	*
NICKEL	0	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1360	2.680221	4.271872	3645.1	1	66	73	0.035479	0.034763	2.59	0.01	0.22	0.42413	0.0014	54	*
NICKEL	0	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	331	4.980363	5.31696	1648.5	1	44	2217	0.036188	0.086265	80.22983	0.01	1.9	0.35577	0.0001	302	*
NICKEL	0	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	331	4.980363	5.31696	1648.5	1	44	73	0.035479	0.034763	2.59	0.01	0.22	0.39167	0.0478	26	*
NICKEL	0	PH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1360	2.680221	4.271872	3645.1	1	66	2481	7.19447	0.670099	17849	4	11.8	-0.08274	0.0023	1355	*
NICKEL	0	PH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	331	4.980363	5.31696	1648.5	1	44	2481	7.19447	0.670099	17849	4	11.8	-0.04707	0.3941	330	
NICKEL	0	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1360	2.680221	4.271872	3645.1	1	66	187	1	0	187	1	1	#N/A	#N/A	187	
NICKEL	0	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1360	2.680221	4.271872	3645.1	1	66	54	1	0	54	1	1	#N/A	#N/A	3	
NICKEL	0	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	331	4.980363	5.31696	1648.5	1	44	187	1	0	187	1	1	#N/A	#N/A	11	
NICKEL	0	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	331	4.980363	5.31696	1648.5	1	44	54	1	0	54	1	1	#N/A	#N/A	54	
NICKEL	0	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1360	2.680221	4.271872	3645.1	1	66	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
NICKEL	0	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1360	2.680221	4.271872	3645.1	1	66	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	331	4.980363	5.31696	1648.5	1	44	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
NICKEL	0	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	331	4.980363	5.31696	1648.5	1	44	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	0	TURBIDITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	1360	2.680221	4.271872	3645.1	1	66	1376	2.723205	3.508161	3747.13	0.1	43	0.04547	0.1109	1230	
NICKEL	0	TURBIDITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	331	4.980363	5.31696	1648.5	1	44	1376	2.723205	3.508161	3747.13	0.1	43	0.0903	0.1412	267	
NICKEL	0	WELL-DEPTH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	1360	2.680221	4.271872	3645.1	1	66	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NICKEL	0	WELL-DEPTH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	331	4.980363	5.31696	1648.5	1	44	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NICKEL	100	ANTIMONY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011886	0.15177	938	1	3.8	#N/A	#N/A	0	
NICKEL	100	ANTIMONY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NICKEL	100	ANTIMONY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011886	0.15177	938	1	3.8	#N/A	#N/A	0	
NICKEL	100	ANTIMONY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NICKEL	100	ARSENIC	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
NICKEL	100	ARSENIC	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
NICKEL	100	ARSENIC	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
NICKEL	100	ARSENIC	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	BARIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
NICKEL	100	BERYLLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
NICKEL	100	BERYLLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	BERYLLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
NICKEL	100	BERYLLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
NICKEL	100	CADMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
NICKEL	100	CADMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
NICKEL	100	CADMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
NICKEL	100	CADMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CHROMIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
NICKEL	100	CONDUCTANCE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
NICKEL	100	CONDUCTANCE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
NICKEL	100	CYANIDE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
NICKEL	100	CYANIDE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	CYANIDE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
NICKEL	100	CYANIDE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-OXYGE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-OXYGE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-SOLID	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
NICKEL	100	DISSOLVED-SOLID	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
NICKEL	100	HARDNESS	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
NICKEL	100	HARDNESS	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
NICKEL	100	IRON	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
NICKEL	100	MANGANESE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
NICKEL	100	MERCURY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
NICKEL	100	MERCURY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NICKEL	100	MERCURY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
NICKEL	100	MERCURY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
NICKEL	100	NITRATE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
NICKEL	100	NITRATE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
NICKEL	100	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
NICKEL	100	NITRITE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0.01	0 22	#N/A	#N/A	0	
NICKEL	100	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0.01	1 9	#N/A	#N/A	0	
NICKEL	100	NITRITE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
NICKEL	100	PH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
NICKEL	100	PH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0.085988	0 79	0 02	0 35	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
NICKEL	100	RADIUM-226	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
NICKEL	100	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
NICKEL	100	SELENIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
NICKEL	100	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
NICKEL	100	SELENIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
NICKEL	100	SULFATE	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
NICKEL	100	SULFATE	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
NICKEL	100	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
NICKEL	100	THALLIUM	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
NICKEL	100	THALLIUM	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NICKEL	100	TURBIDITY	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0.1	43	#N/A	#N/A	0	
NICKEL	100	TURBIDITY	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
NICKEL	100	WELL-DEPTH	SURFACE WATER	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
NICKEL	100	WELL-DEPTH	SURFACE WATER	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
NITRATE	0	ALKALINITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1320	1 487203	1 696986	1963 108	0 048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1320	1 487203	1 696986	1963 108	0 048	21	927	1 011866	0 15177	938	1	3 8	0 32132	0 0001	628	*
NITRATE	0	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1320	1 487203	1.696986	1963 108	0 048	21	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NITRATE	0	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1320	1 487203	1 696986	1963 108	0 048	21	1082	25 5403	28 85104	27635	3	270	0 44464	0 0001	697	*
NITRATE	0	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1320	1 487203	1 696986	1963.108	0 048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1320	1.487203	1 696986	1963 108	0 048	21	1	100	#N/A	100	100	100	#N/A	#N/A	0	
NITRATE	0	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1320	1 4872	1 69699	1963 108	0 048	21	929	0 99785	0 04637	927	0 5	1 5	-0 22246	0 0001	629	*
NITRATE	0	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1320	1.4872	1 69699	1963 108	0 048	21	1	10	#N/A	10	10	10	#N/A	#N/A	0	
NITRATE	0	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1320	1 487203	1.696986	1963 108	0 048	21	1234	0 999664	0.135368	1233 585	0 1	3	-0 00526	0 882	799	
NITRATE	0	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1320	1 487203	1 696986	1963 108	0 048	21	331	1.009063	0 094913	334	1	2	-0 0107	0 8696	238	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	0	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1320	1.487203	1.696986	1963.108	0.048	21	1231	1.346791	4.170651	1657.9	1	116	0.063	0.0751	799	
NITRATE	0	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1320	1.487203	1.696986	1963.108	0.048	21	331	2.468278	5.341778	817	1	73	0.10237	0.1152	238	
NITRATE	0	CONDUCTANCE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1320	1.487203	1.696986	1963.108	0.048	21	5930	220.8052	874.9516	1309375	3	38700	0.13679	0.0001	1314	*
NITRATE	0	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1320	1.487203	1.696986	1963.108	0.048	21	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	2	
NITRATE	0	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	DISSOLVED-OXYGE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1320	1.487203	1.696986	1963.108	0.048	21	2381	10.08867	2.848372	24021	0.5	15.9	-0.25661	0.0001	1284	*
NITRATE	0	DISSOLVED-SOLID	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1320	1.487203	1.696986	1963.108	0.048	21	1950	129.6248	529.4958	252768	10	23100	0.59002	0.0001	1093	*
NITRATE	0	HARDNESS	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1320	1.487203	1.696986	1963.108	0.048	21	2005	59.04684	115.1687	118389	3	4500	0.48971	0.0001	1128	*
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1320	1.487203	1.696986	1963.108	0.048	21	359	567.7716	942.462	203830	100	16000	0.01639	0.7933	258	
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1320	1.487203	1.696986	1963.108	0.048	21	1935	135.4852	151.6656	262164	3	3743.833	-0.13668	0.0001	1075	*
NITRATE	0	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1320	1.4872	1.69699	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1320	1.4872	1.69699	1963.108	0.048	21	82	126.3049	59.55653	10357	30	280	0.2184	0.0758	67	
NITRATE	0	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1320	1.4872	1.69699	1963.108	0.048	21	1956	47.48958	58.98357	92890	1	1226.333	0.26639	0.0001	1094	*
NITRATE	0	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1320	1.487203	1.696986	1963.108	0.048	21	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
NITRATE	0	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1320	1.487203	1.696986	1963.108	0.048	21	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	67	
NITRATE	0	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1320	1.487203	1.696986	1963.108	0.048	21	1360	2.680221	4.271872	3645.1	1	66	0.28925	0.0001	852	*
NITRATE	0	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1320	1.487203	1.696986	1963.108	0.048	21	331	4.980363	5.31696	1648.5	1	44	0.27372	0.0001	238	*
NITRATE	0	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1320	1.487203	1.696986	1963.108	0.048	21	2217	0.036188	0.086265	80.22983	0.01	1.9	0.21445	0.0001	1320	*
NITRATE	0	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1320	1.487203	1.696986	1963.108	0.048	21	73	0.035479	0.034763	2.59	0.01	0.22	0.22149	0.4097	16	
NITRATE	0	PH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1320	1.487203	1.696986	1963.108	0.048	21	2481	7.19447	0.670099	17849	4	11.8	0.09745	0.0004	1307	*
NITRATE	0	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1320	1.487203	1.696986	1963.108	0.048	21	187	1	0	187	1	1	#N/A	#N/A	90	
NITRATE	0	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1320	1.487203	1.696986	1963.108	0.048	21	54	1	0	54	1	1	#N/A	#N/A	47	
NITRATE	0	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1320	1.487203	1.696986	1963.108	0.048	21	2	0.5	0	1	0.5	0.5	#N/A	#N/A	1	
NITRATE	0	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	TURBIDITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	1320	1.487203	1.696986	1963.108	0.048	21	1378	2.723205	3.508161	3747.13	0.1	43	0.17979	0.0001	860	*
NITRATE	0	URANIUM-235	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	URANIUM-238	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1320	1.487203	1.696986	1963.108	0.048	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	0	WELL-DEPTH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	1320	1.487203	1.696986	1963.108	0.048	21	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NITRATE	8	ALKALINITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14	10.11429	3.376438	141.6	8.02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14	10.11429	3.376438	141.6	8.02	21	927	1.011866	0.15177	938	1	3.8	0.70336	0.0779	7	
NITRATE	8	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14	10.11429	3.376438	141.6	8.02	21	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NITRATE	8	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	14	10.11429	3.376438	141.6	8.02	21	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
NITRATE	8	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	14	10.11429	3.376438	141.6	8.02	21	72	1.319444	0.62408	95	1	4	#N/A	#N/A	1	
NITRATE	8	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	14	10.11429	3.376438	141.6	8.02	21	1082	25.5403	28.85104	27635	3	270	-0.31153	0.4145	9	
NITRATE	8	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14	10.11429	3.376438	141.6	8.02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14	10.11429	3.376438	141.6	8.02	21	1	100	#N/A	100	100	100	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	8	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14	10 11429	3 37644	141 6	8 02	21	929	0 99785	0 04637	927	0 5	1 5	-0 93033	0 0008	8	*
NITRATE	8	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14	10 11429	3 37644	141 6	8 02	21	1	10	#N/A	10	10	10	#N/A	#N/A	0	
NITRATE	8	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14	10 11429	3 376438	141 6	8 02	21	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	8	
NITRATE	8	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14	10 11429	3 376438	141 6	8 02	21	331	1 009063	0.094913	334	1	2	#N/A	#N/A	2	
NITRATE	8	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14	10 11429	3 376438	141 6	8 02	21	1231	1.346791	4.170651	1657 9	1	116	0 9195	0 0012	8	*
NITRATE	8	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14	10 11429	3 376438	141 6	8 02	21	331	2 468278	5 341778	817	1	73	1	#N/A	2	
NITRATE	8	CONDUCTANCE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14	10 11429	3 376438	141 6	8 02	21	5930	220 8052	874 9516	1309375	3	38700	0 33848	0 2579	13	
NITRATE	8	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14	10 11429	3 376438	141 6	8 02	21	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
NITRATE	8	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	DEPTH-BELOW-LAN	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	DISSOLVED-OXYGE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14	10 11429	3 376438	141 6	8 02	21	2381	10 08867	2.648372	24021	0 5	15 9	-0 06945	0 8216	13	
NITRATE	8	DISSOLVED-SOLID	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14	10 11429	3 376438	141 6	8 02	21	1950	129 6248	529 4958	252768	10	23100	0 29643	0 3254	13	
NITRATE	8	HARDNESS	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14	10 11429	3 376438	141 6	8 02	21	2005	59 04684	115 1687	118389	3	4500	0 07773	0 7917	14	
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14	10 11429	3 376438	141 6	8 02	21	359	567 7716	942.462	203830	100	16000	1	#N/A	2	
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14	10 11429	3 376438	141 6	8 02	21	1935	135 4852	151 6858	262184	3	3743 833	0 30083	0 296	14	
NITRATE	8	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14	10 11429	3 37644	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14	10.11429	3 37644	141 6	8 02	21	82	126.3049	59 55653	10357	30	280	#N/A	#N/A	1	
NITRATE	8	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14	10 11429	3 37644	141 6	8 02	21	1956	47 48958	58 98357	92890	1	1226 333	-0 22934	0 4303	14	
NITRATE	8	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14	10 11429	3 376438	141 6	8 02	21	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
NITRATE	8	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14	10 11429	3 376438	141 6	8 02	21	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	1	
NITRATE	8	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14	10 11429	3 376438	141 6	8 02	21	1360	2 680221	4 271872	3645 1	1	68	0 53852	0 1347	9	
NITRATE	8	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14	10 11429	3 376438	141 6	8 02	21	331	4 980383	5 31696	1648 5	1	44	#N/A	#N/A	2	
NITRATE	8	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14	10 11429	3 376438	141 6	8 02	21	2217	0 036188	0 086265	80 22983	0 01	1 9	-0 19638	0 501	14	
NITRATE	8	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14	10 11429	3 376438	141 6	8 02	21	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
NITRATE	8	PH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14	10.11429	3 376438	141 6	8 02	21	2481	7.19447	0.670099	17849	4	11 8	-0 43135	0 1236	14	
NITRATE	8	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	14	10 11429	3 376438	141 6	8 02	21	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
NITRATE	8	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	14	10 11429	3 376438	141 6	8 02	21	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
NITRATE	8	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14	10.11429	3 376438	141 6	8 02	21	187	1	0	187	1	1	#N/A	#N/A	1	
NITRATE	8	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14	10.11429	3 376438	141 6	8 02	21	54	1	0	54	1	1	#N/A	#N/A	1	
NITRATE	8	SULFATE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	14	10.11429	3 376438	141 6	8 02	21	2039	15 0177	38 42249	30621	0 5	1700	-0 05224	0 8592	14	
NITRATE	8	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14	10 11429	3 376438	141 6	8 02	21	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
NITRATE	8	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14	10.11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	TURBIDITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	14	10 11429	3 376438	141 6	8 02	21	1376	2 723205	3 508161	3747 13	0 1	43	0 89783	0 0025	8	*
NITRATE	8	URANIUM-235	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22820	URANIUM 235-DISSOLVED-P22820-(PCI/L)	14	10.11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	8	URANIUM-238	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14	10 11429	3 376438	141 6	8 02	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	8	WELL-DEPTH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	14	10 11429	3 376438	141 6	8 02	21	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
NITRATE	10	ALKALINITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3	14 8	5 524491	44 4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3	14 8	5 524491	44 4	10 4	21	927	1 011866	0 15177	938	1	3 8	-1	#N/A	2	
NITRATE	10	ANTIMONY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3	14 8	5 524491	44.4	10 4	21	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NITRATE	10	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	3	14 8	5 524491	44 4	10 4	21	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
NITRATE	10	ARSENIC	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3	14 8	5 524491	44 4	10 4	21	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
NITRATE	10	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3	14 8	5 524491	44.4	10 4	21	1082	25 5403	28 85104	27635	3	270	-0 99804	0 0399	3	*
NITRATE	10	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	3	14 8	5 524491	44.4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	BARIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3	14.8	5 524491	44 4	10 4	21	1	100	#N/A	100	100	100	#N/A	#N/A	0	
NITRATE	10	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3	14.8	5 52449	44.4	10 4	21	929	0 99785	0 04637	927	0 5	1 5	-0 97192	0 1512	3	
NITRATE	10	BERYLLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3	14.8	5 52449	44 4	10 4	21	1	10	#N/A	10	10	10	#N/A	#N/A	0	
NITRATE	10	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3	14 8	5 524491	44 4	10 4	21	1234	0 999684	0 135368	1233 585	0 1	3	#N/A	#N/A	3	
NITRATE	10	CADMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3	14 8	5 524491	44 4	10 4	21	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
NITRATE	10	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3	14 8	5 524491	44.4	10 4	21	1231	1.346791	4.170651	1657.9	1	116	0 97192	0 1512	3	
NITRATE	10	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3	14 8	5 524491	44 4	10.4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	CHROMIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3	14 8	5 524491	44 4	10.4	21	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
NITRATE	10	CONDUCTANCE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3	14 8	5 524491	44 4	10 4	21	5930	220 8052	874 9516	1309375	3	38700	-0 66371	0 538	3	
NITRATE	10	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3	14 8	5 524491	44 4	10 4	21	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
NITRATE	10	CYANIDE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	3	14 8	5 524491	44.4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	DEPTH-BELOW-LAN	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3	14 8	5 524491	44 4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	DISSOLVED-OXYGE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3	14 8	5 524491	44.4	10 4	21	2381	10.08867	2 846372	24021	0 5	15 9	1	#N/A	2	
NITRATE	10	DISSOLVED-SOLID	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3	14 8	5 524491	44.4	10.4	21	1950	129 6248	529.4958	252768	10	23100	-0.54489	0.6331	3	
NITRATE	10	HARDNESS	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3	14 8	5.524491	44.4	10 4	21	2005	59.04684	115 1687	118389	3	4500	-0 95067	0.2008	3	
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3	14 8	5 524491	44 4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3	14 8	5 524491	44.4	10 4	21	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3	14 8	5 524491	44.4	10.4	21	1935	135 4852	151.6656	262164	3	3743.833	0 97192	0 1512	3	
NITRATE	10	IRON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	3	14 8	5.524491	44.4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3	14 8	5 52449	44.4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3	14.8	5 52449	44.4	10.4	21	82	126 3049	59.55653	10357	30	280	#N/A	#N/A	0	
NITRATE	10	MANGANESE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3	14.8	5 52449	44.4	10 4	21	1956	47.48958	58.98357	92890	1	1226.333	-0 86448	0 3353	3	
NITRATE	10	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3	14 8	5 524491	44.4	10.4	21	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
NITRATE	10	MERCURY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3	14 8	5.524491	44.4	10 4	21	84	0.1	0	8.4	0 1	0 1	#N/A	#N/A	0	
NITRATE	10	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3	14 8	5 524491	44.4	10 4	21	1360	2 680221	4 271872	3645 1	1	66	0 98823	0 0978	3	
NITRATE	10	NICKEL	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3	14 8	5 524491	44.4	10 4	21	331	4 980363	5.31696	1648 5	1	44	#N/A	#N/A	0	
NITRATE	10	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	3	14 8	5.524491	44.4	10 4	21	2217	0.036188	0.086265	80 22983	0 01	1 9	-0 97192	0 1512	3	
NITRATE	10	NITRITE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	3	14 8	5 524491	44.4	10.4	21	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
NITRATE	10	PH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3	14.8	5 524491	44.4	10 4	21	2481	7.19447	0.670099	17849	4	11 8	-0 97192	0 1512	3	
NITRATE	10	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	3	14 8	5.524491	44 4	10 4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	3	14.8	5.524491	44.4	10.4	21	14	0 056429	0.085988	0 79	0 02	0 35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRATE	10	RADIUM-226	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	3	14.8	5.524491	44.4	10.4	21	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
NITRATE	10	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	3	14.8	5.524491	44.4	10.4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	RADON	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	3	14.8	5.524491	44.4	10.4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3	14.8	5.524491	44.4	10.4	21	187	1	0	187	1	1	#N/A	#N/A	0	
NITRATE	10	SELENIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3	14.8	5.524491	44.4	10.4	21	54	1	0	54	1	1	#N/A	#N/A	0	
NITRATE	10	SULFATE	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	3	14.8	5.524491	44.4	10.4	21	2039	15.0177	38.42249	30621	0.5	1700	-0.53193	0.6429	3	
NITRATE	10	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3	14.8	5.524491	44.4	10.4	21	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
NITRATE	10	THALLIUM	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3	14.8	5.524491	44.4	10.4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	TURBIDITY	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	3	14.8	5.524491	44.4	10.4	21	1376	2.723205	3.508161	3747.13	0.1	43	0.94405	0.214	3	
NITRATE	10	URANIUM-235	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3	14.8	5.524491	44.4	10.4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	URANIUM-238	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	3	14.8	5.524491	44.4	10.4	21	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRATE	10	WELL-DEPTH	SURFACE WATER	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	3	14.8	5.524491	44.4	10.4	21	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NITRITE	0	ALKALINITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2217	0.036188	0.086265	80.22983	0.01	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	ALKALINITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	73	0.035479	0.034763	2.59	0.01	0.22	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	CONDUCTANCE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2217	0.036188	0.086265	80.22983	0.01	1.9	5930	220.8052	874.9516	1309375	3	38700	0.02768	0.1946	2197	
NITRITE	0	CONDUCTANCE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	73	0.035479	0.034763	2.59	0.01	0.22	5930	220.8052	874.9516	1309375	3	38700	0.50756	0.0001	73	*
NITRITE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2217	0.036188	0.086265	80.22983	0.01	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	73	0.035479	0.034763	2.59	0.01	0.22	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	DISSOLVED-OXYGE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2217	0.036188	0.086265	80.22983	0.01	1.9	2381	10.08867	2.848372	24021	0.5	15.9	-0.18325	0.0001	2134	*
NITRITE	0	DISSOLVED-OXYGE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	73	0.035479	0.034763	2.59	0.01	0.22	2381	10.08867	2.848372	24021	0.5	15.9	-0.36383	0.0016	73	*
NITRITE	0	DISSOLVED-SOLID	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2217	0.036188	0.086265	80.22983	0.01	1.9	1950	129.6248	529.4958	252768	10	23100	0.02631	0.2526	1893	
NITRITE	0	DISSOLVED-SOLID	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	73	0.035479	0.034763	2.59	0.01	0.22	1950	129.6248	529.4958	252768	10	23100	0.32642	0.0132	57	*
NITRITE	0	HARDNESS	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	2217	0.036188	0.086265	80.22983	0.01	1.9	2005	59.04684	115.1687	118389	3	4500	0.01979	0.3835	1941	
NITRITE	0	HARDNESS	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CACO3)	73	0.035479	0.034763	2.59	0.01	0.22	2005	59.04684	115.1687	118389	3	4500	0.21414	0.1034	59	
NITRITE	0	PH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2217	0.036188	0.086265	80.22983	0.01	1.9	2481	7.19447	0.670099	17849	4	11.8	-0.00748	0.7267	2186	
NITRITE	0	PH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	73	0.035479	0.034763	2.59	0.01	0.22	2481	7.19447	0.670099	17849	4	11.8	-0.21603	0.0684	72	
NITRITE	0	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2217	0.036188	0.086265	80.22983	0.01	1.9	187	1	0	187	1	1	#N/A	#N/A	187	
NITRITE	0	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2217	0.036188	0.086265	80.22983	0.01	1.9	54	1	0	54	1	1	#N/A	#N/A	52	
NITRITE	0	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	73	0.035479	0.034763	2.59	0.01	0.22	187	1	0	187	1	1	#N/A	#N/A	17	
NITRITE	0	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	73	0.035479	0.034763	2.59	0.01	0.22	54	1	0	54	1	1	#N/A	#N/A	2	
NITRITE	0	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2217	0.036188	0.086265	80.22983	0.01	1.9	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
NITRITE	0	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2217	0.036188	0.086265	80.22983	0.01	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	73	0.035479	0.034763	2.59	0.01	0.22	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
NITRITE	0	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	73	0.035479	0.034763	2.59	0.01	0.22	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	0	TURBIDITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	2217	0.036188	0.086265	80.22983	0.01	1.9	1376	2.723205	3.508161	3747.13	0.1	43	0.06004	0.0285	1331	*
NITRITE	0	TURBIDITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	73	0.035479	0.034763	2.59	0.01	0.22	1376	2.723205	3.508161	3747.13	0.1	43	0.15906	0.2131	63	
NITRITE	0	WELL-DEPTH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	2217	0.036188	0.086265	80.22983	0.01	1.9	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NITRITE	0	WELL-DEPTH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	73	0.035479	0.034763	2.59	0.01	0.22	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NITRITE	1	ALKALINITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	ALKALINITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	ANTIMONY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	3	1 366667	0 46188	4 1	1 1	1.9	927	1.011866	0.15177	938	1	3 8	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	3	1 366667	0 46188	4 1	1 1	1 9	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
NITRITE	1	ANTIMONY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
NITRITE	1	ARSENIC	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	3	1 366667	0.46188	4.1	1 1	1.9	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
NITRITE	1	ARSENIC	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	3	1 366667	0 46188	4 1	1 1	1.9	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
NITRITE	1	ARSENIC	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
NITRITE	1	ARSENIC	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	3	1 366667	0 46188	4 1	1 1	1 9	1082	25 5403	28 85104	27835	3	270	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	3	1 366667	0 46188	4 1	1 1	1 9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	3	1 366667	0 46188	4 1	1 1	1.9	1	100	#N/A	100	100	100	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27835	3	270	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	BARIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	3	1 36667	0 46188	4.1	1.1	1 9	929	0 99785	0.04637	927	0 5	1 5	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	3	1 36667	0 46188	4.1	1 1	1 9	1	10	#N/A	10	10	10	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
NITRITE	1	BERYLLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
NITRITE	1	CADMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	3	1 366667	0 46188	4 1	1.1	1.9	1234	0 999664	0.135388	1233 585	0 1	3	#N/A	#N/A	0	
NITRITE	1	CADMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	3	1 366667	0 46188	4 1	1 1	1 9	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
NITRITE	1	CADMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135388	1233 585	0 1	3	#N/A	#N/A	0	
NITRITE	1	CADMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	3	1 366667	0.46188	4 1	1.1	1.9	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	3	1 366667	0 46188	4 1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	3	1 366667	0 46188	4 1	1.1	1 9	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CHROMIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
NITRITE	1	CONDUCTANCE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	3	1 366667	0.46188	4 1	1.1	1.9	5930	220.8052	874 9516	1309375	3	38700	-1	#N/A	2	
NITRITE	1	CONDUCTANCE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
NITRITE	1	CYANIDE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	3	1 366667	0.46188	4.1	1.1	1 9	5	0.01	0	0.05	0 01	0 01	#N/A	#N/A	0	
NITRITE	1	CYANIDE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	3	1.366667	0 46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	CYANIDE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
NITRITE	1	CYANIDE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	DEPTH-BELOW-LAN	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	3	1.366667	0.46188	4.1	1 1	1 9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	DEPTH-BELOW-LAN	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-OXYGE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	3	1.366667	0 46188	4 1	1 1	1.9	2381	10 08887	2 848372	24021	0 5	15 9	1	#N/A	2	
NITRITE	1	DISSOLVED-OXYGE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08887	2.848372	24021	0 5	15 9	#N/A	#N/A	0	
NITRITE	1	DISSOLVED-SOLID	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	3	1 366667	0.46188	4.1	1.1	1 9	1950	129 6248	529 4958	252768	10	23100	-1	#N/A	2	
NITRITE	1	DISSOLVED-SOLID	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	HARDNESS	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	3	1.366667	0.46188	4.1	1.1	1.9	2005	59.04684	115.1687	118389	3	4500	-1	#N/A	2	
NITRITE	1	HARDNESS	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	3	1.366667	0.46188	4.1	1.1	1.9	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	3	1.366667	0.46188	4.1	1.1	1.9	1935	135.4852	151.6656	262164	3	3743.833	-1	#N/A	2	
NITRITE	1	IRON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
NITRITE	1	IRON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	3	1.36667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	3	1.36667	0.46188	4.1	1.1	1.9	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	3	1.36667	0.46188	4.1	1.1	1.9	1956	47.48958	58.98357	92890	1	1226.333	-1	#N/A	2	
NITRITE	1	MANGANESE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
NITRITE	1	MANGANESE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
NITRITE	1	MERCURY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	3	1.366667	0.46188	4.1	1.1	1.9	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
NITRITE	1	MERCURY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	3	1.366667	0.46188	4.1	1.1	1.9	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
NITRITE	1	MERCURY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
NITRITE	1	MERCURY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
NITRITE	1	NICKEL	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	3	1.366667	0.46188	4.1	1.1	1.9	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
NITRITE	1	NICKEL	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	3	1.366667	0.46188	4.1	1.1	1.9	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
NITRITE	1	NICKEL	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
NITRITE	1	NICKEL	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
NITRITE	1	NITRATE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	3	1.366667	0.46188	4.1	1.1	1.9	1320	1.487203	1.696986	1963.108	0.048	21	-0.99028	0.0888	3	
NITRITE	1	NITRATE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
NITRITE	1	PH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	3	1.366667	0.46188	4.1	1.1	1.9	2481	7.19447	0.670099	17849	4	11.8	1	#N/A	2	
NITRITE	1	PH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
NITRITE	1	RADIUM-226	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	RADON	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	3	1.366667	0.46188	4.1	1.1	1.9	187	1	0	187	1	1	#N/A	#N/A	0	
NITRITE	1	SELENIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	3	1.366667	0.46188	4.1	1.1	1.9	54	1	0	54	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
NITRITE	1	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
NITRITE	1	SELENIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
NITRITE	1	SULFATE	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	3	1.366667	0.46188	4.1	1.1	1.9	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	2	
NITRITE	1	SULFATE	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
NITRITE	1	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	3	1.366667	0.46188	4.1	1.1	1.9	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
NITRITE	1	THALLIUM	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
NITRITE	1	THALLIUM	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	3	1.366667	0.46188	4.1	1.1	1.9	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
NITRITE	1	TURBIDITY	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	URANIUM-235	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	3	1.366667	0.46188	4.1	1.1	1.9	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	URANIUM-238	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
NITRITE	1	WELL-DEPTH	SURFACE WATER	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	3	1.366667	0.46188	4.1	1.1	1.9	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
NITRITE	1	WELL-DEPTH	SURFACE WATER	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
PH	0	ALKALINITY	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2481	7.19447	0.670099	17849	4	11.8	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
PH	0	CONDUCTANCE	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2481	7.19447	0.670099	17849	4	11.8	5930	220.8052	874.9516	1309375	3	38700	0.01885	0.3489	2472	
PH	0	DISSOLVED-OXYGE	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2481	7.19447	0.670099	17849	4	11.8	2381	10.08887	2.848372	24021	0.5	15.9	0.07202	0.0005	2334	*
PH	0	TURBIDITY	SURFACE WATER	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	P00076	TURBIDITY-P00076-(NTU)	2481	7.19447	0.670099	17849	4	11.8	1376	2.723205	3.508161	3747.13	0.1	43	0.06606	0.0143	1374	*
RADIUM-226	0	ALKALINITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	ALKALINITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	ALKALINITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	14	0.056429	0.085988	0.79	0.02	0.35	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	14	0.056429	0.085988	0.79	0.02	0.35	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	11	0.016364	0.015015	0.18	0.01	0.06	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	0	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	11	0.016364	0.015015	0.18	0.01	0.06	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	14	0.056429	0.085988	0.79	0.02	0.35	1082	25.5403	28.85104	27635	3	270	0.22971	0.4295	14	
RADIUM-226	0	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	14	0.056429	0.085988	0.79	0.02	0.35	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	11	0.016364	0.015015	0.18	0.01	0.06	1082	25.5403	28.85104	27635	3	270	0.29263	0.3825	11	
RADIUM-226	0	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	11	0.016364	0.015015	0.18	0.01	0.06	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	14	0 05643	0 08599	0.79	0 02	0 35	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	14	0.05643	0 08599	0.79	0.02	0 35	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	11	0 01636	0 01502	0.18	0 01	0 06	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADIUM-226	0	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	11	0 01636	0 01502	0 18	0 01	0 06	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0.1	3	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	14	0 056429	0 085988	0 79	0 02	0 35	1234	0 999664	0.135368	1233 585	0 1	3	#N/A	#N/A	4	
RADIUM-226	0	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	14	0 056429	0 085988	0 79	0 02	0 35	331	1 009063	0 094913	334	1	2	#N/A	#N/A	5	
RADIUM-226	0	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	11	0 016364	0 015015	0 18	0 01	0 06	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	3	
RADIUM-226	0	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	11	0 016364	0 015015	0 18	0 01	0 06	331	1 009063	0 094913	334	1	2	#N/A	#N/A	4	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	14	0 056429	0 085988	0 79	0 02	0 35	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	4	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	14	0 056429	0 085988	0.79	0 02	0 35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	14	0 056429	0 085988	0 79	0 02	0 35	331	2 468278	5 341778	817	1	73	-0 45569	0 4406	5	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	11	0 016364	0 015015	0.18	0 01	0 06	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	3	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	11	0 016364	0 015015	0.18	0 01	0 06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	11	0 016364	0 015015	0 18	0 01	0 06	331	2 468278	5 341778	817	1	73	-0 14003	0 68	4	
RADIUM-226	0	CONDUCTANCE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADIUM-226	0	CONDUCTANCE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	14	0 056429	0 085988	0 79	0 02	0 35	5930	220 8052	874.9516	1309375	3	38700	0 38781	0 1706	14	
RADIUM-226	0	CONDUCTANCE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	11	0 016364	0 015015	0.18	0 01	0 06	5930	220.8052	874.9516	1309375	3	38700	0 42445	0 1932	11	
RADIUM-226	0	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	14	0 056429	0 085988	0 79	0 02	0.35	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	14	0 056429	0 085988	0 79	0 02	0 35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	11	0 016364	0 015015	0 18	0 01	0 06	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADIUM-226	0	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	11	0 016364	0 015015	0 18	0 01	0 06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	14	0 056429	0 085988	0 79	0 02	0 35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	DEPTH-BELOW-LAN	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72019	DEPTH BELOW LAND-P72019-(FEET)	11	0 016364	0 015015	0 18	0 01	0 06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-OXYGE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2.848372	24021	0 5	15 9	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-OXYGE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	14	0 056429	0 085988	0 79	0 02	0.35	2381	10 08867	2.848372	24021	0 5	15 9	0 17116	0 5585	14	
RADIUM-226	0	DISSOLVED-OXYGE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	11	0 016364	0.015015	0 18	0 01	0.06	2381	10.08867	2.848372	24021	0 5	15 9	0 54063	0 086	11	
RADIUM-226	0	DISSOLVED-SOLID	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	0	DISSOLVED-SOLID	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	14	0 056429	0 085988	0 79	0 02	0 35	1950	129 6248	529 4958	252768	10	23100	0 24545	0 3976	14	
RADIUM-226	0	DISSOLVED-SOLID	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	11	0 016364	0 015015	0 18	0 01	0 06	1950	129 6248	529.4958	252768	10	23100	0 31425	0 3466	11	
RADIUM-226	0	HARDNESS	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	0	HARDNESS	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	14	0 056429	0 085988	0 79	0 02	0 35	2005	59 04684	115 1687	118389	3	4500	0 27024	0 3501	14	
RADIUM-226	0	HARDNESS	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	11	0 016364	0 015015	0 18	0 01	0 06	2005	59 04684	115 1687	118389	3	4500	0 32381	0 3313	11	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	14	0.056429	0.085988	0.79	0.02	0.35	359	567.7716	942.462	203830	100	16000	0.70959	0.1795	5	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	14	0.056429	0.085988	0.79	0.02	0.35	1935	135.4852	151.6656	262164	3	3743.833	0.15105	0.6062	14	
RADIUM-226	0	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	11	0.016364	0.015015	0.18	0.01	0.06	359	567.7716	942.462	203830	100	16000	0.68079	0.1192	4	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	11	0.016364	0.015015	0.18	0.01	0.06	1935	135.4852	151.6656	262164	3	3743.833	0.40212	0.2202	11	
RADIUM-226	0	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.46958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	14	0.05643	0.08599	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	14	0.05643	0.08599	0.79	0.02	0.35	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	14	0.05643	0.08599	0.79	0.02	0.35	1956	47.46958	58.98357	92890	1	1226.333	0.0883	0.764	14	
RADIUM-226	0	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	11	0.01636	0.01502	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	11	0.01636	0.01502	0.18	0.01	0.06	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	0	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	11	0.01636	0.01502	0.18	0.01	0.06	1956	47.46958	58.98357	92890	1	1226.333	0.30511	0.3816	11	
RADIUM-226	0	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADIUM-226	0	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADIUM-226	0	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	14	0.056429	0.085988	0.79	0.02	0.35	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADIUM-226	0	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	14	0.056429	0.085988	0.79	0.02	0.35	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADIUM-226	0	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	11	0.016364	0.015015	0.18	0.01	0.06	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADIUM-226	0	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	11	0.016364	0.015015	0.18	0.01	0.06	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
RADIUM-226	0	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	14	0.056429	0.085988	0.79	0.02	0.35	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	14	
RADIUM-226	0	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	14	0.056429	0.085988	0.79	0.02	0.35	331	4.980363	5.31696	1648.5	1	44	-0.2987	0.6254	5	
RADIUM-226	0	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	11	0.016364	0.015015	0.18	0.01	0.06	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	11	
RADIUM-226	0	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	11	0.016364	0.015015	0.18	0.01	0.06	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	4	
RADIUM-226	0	NITRATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696988	1963.108	0.048	21	#N/A	#N/A	0	
RADIUM-226	0	NITRATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	14	0.056429	0.085988	0.79	0.02	0.35	1320	1.487203	1.696988	1963.108	0.048	21	0.00914	0.9909	4	
RADIUM-226	0	NITRATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	11	0.016364	0.015015	0.18	0.01	0.06	1320	1.487203	1.696988	1963.108	0.048	21	-1	#N/A	2	
RADIUM-226	0	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
RADIUM-226	0	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	14	0.056429	0.085988	0.79	0.02	0.35	2217	0.036188	0.086265	80.22983	0.01	1.9	0.26971	0.3511	14	
RADIUM-226	0	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	14	0.056429	0.085988	0.79	0.02	0.35	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	0	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	11	0.016364	0.015015	0.18	0.01	0.06	2217	0.036168	0.086265	80.22983	0.01	1.9	0.96386	0.0001	11	*
RADIUM-226	0	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	11	0.016364	0.015015	0.18	0.01	0.06	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	1	
RADIUM-226	0	PH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
RADIUM-226	0	PH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	14	0.056429	0.085988	0.79	0.02	0.35	2481	7.19447	0.670099	17849	4	11.8	0.31431	0.2738	14	
RADIUM-226	0	PH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	11	0.016364	0.015015	0.18	0.01	0.06	2481	7.19447	0.670099	17849	4	11.8	0.36327	0.2722	11	
RADIUM-226	0	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P76002	RADON 222-PE-P76002-(PCI/L)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	RADON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	14	0.056429	0.085988	0.79	0.02	0.35	187	1	0	187	1	1	#N/A	#N/A	14	
RADIUM-226	0	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	14	0.056429	0.085988	0.79	0.02	0.35	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	0	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	11	0.016364	0.015015	0.18	0.01	0.06	187	1	0	187	1	1	#N/A	#N/A	11	
RADIUM-226	0	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	11	0.016364	0.015015	0.18	0.01	0.06	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	14	0.056429	0.085988	0.79	0.02	0.35	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	11	0.016364	0.015015	0.18	0.01	0.06	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADIUM-226	0	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	0	TURBIDITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	14	0.056429	0.085988	0.79	0.02	0.35	1376	2.723205	3.508161	3747.13	0.1	43	0.61275	0.0198	14	*
RADIUM-226	0	TURBIDITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	11	0.016364	0.015015	0.18	0.01	0.06	1376	2.723205	3.508161	3747.13	0.1	43	0.74213	0.0089	11	*
RADIUM-226	0	URANIUM-235	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	URANIUM-235	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	URANIUM-235	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	URANIUM-238	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	URANIUM-238	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	14	0.056429	0.085988	0.79	0.02	0.35	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	URANIUM-238	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	11	0.016364	0.015015	0.18	0.01	0.06	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	14	0.056429	0.085988	0.79	0.02	0.35	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	0	WELL-DEPTH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	11	0.016364	0.015015	0.18	0.01	0.06	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	3	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADIUM-226	3	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
RADIUM-226	3	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0.135368	1233.585	0 1	3	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0.135368	1233 585	0.1	3	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0.1	3	#N/A	#N/A	0	
RADIUM-226	3	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADIUM-226	3	CONDUCTANCE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	3	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-OXYGE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	3	DISSOLVED-SOLID	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	3	HARDNESS	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	3	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	3	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADIUM-226	3	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
RADIUM-226	3	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
RADIUM-226	3	NITRATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
RADIUM-226	3	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
RADIUM-226	3	PH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
RADIUM-226	3	PH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
RADIUM-226	3	PH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	3	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
RADIUM-226	3	SULFATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADIUM-226	3	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	3	TURBIDITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	3	WELL-DEPTH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	3	WELL-DEPTH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADIUM-226	4	ANTIMONY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADIUM-226	4	ARSENIC	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	BARIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADIUM-226	4	BERYLLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADIUM-226	4	CADMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.348791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CHROMIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADIUM-226	4	CONDUCTANCE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADIUM-226	4	CYANIDE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-OXYGE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	4	DISSOLVED-SOLID	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	4	HARDNESS	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADIUM-226	4	IRON	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADIUM-226	4	MANGANESE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0.3	0 3	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0.1	0 1	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADIUM-226	4	MERCURY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5.31696	1648 5	1	44	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADIUM-226	4	NICKEL	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696988	1963 108	0 048	21	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696988	1963 108	0 048	21	#N/A	#N/A	0	
RADIUM-226	4	NITRATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696988	1963 108	0 048	21	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADIUM-226	4	NITRITE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADIUM-226	4	PH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADIUM-226	4	PH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11 8	#N/A	#N/A	0	
RADIUM-226	4	PH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADIUM-226	4	SELENIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	
RADIUM-226	4	SULFATE	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADIUM-226	4	THALLIUM	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	4	TURBIDITY	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	SURFACE WATER	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	SURFACE WATER	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADIUM-226	4	WELL-DEPTH	SURFACE WATER	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADON	0	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADON	0	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	0	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADON	0	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	0	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADON	0	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	0	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADON	0	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	0	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADON	0	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADON	0	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADON	0	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADON	0	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADON	0	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADON	0	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADON	0	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADON	0	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	0	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	0	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 633	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 633	#N/A	#N/A	0	
RADON	0	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	62	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	62	126 3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADON	0	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	0	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	0	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	0	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	0	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	0	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	0	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5.31696	1648 5	1	44	#N/A	#N/A	0	
RADON	0	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	0	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	0	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	0	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0 048	21	#N/A	#N/A	0	
RADON	0	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	0	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0.034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	0	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	0	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	0	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	0	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11 8	#N/A	#N/A	0	
RADON	0	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	0	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	0	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	0	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	0	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	0	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADON	0	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADON	0	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADON	0	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADON	100	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADON	100	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	100	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADON	100	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	100	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADON	100	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADON	100	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADON	100	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	100	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADON	100	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	100	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADON	100	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	100	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADON	100	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADON	100	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADON	100	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
RADON	100	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADON	100	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
RADON	100	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	100	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	100	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	100	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	100	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	100	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	100	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	100	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0.3	0 3	#N/A	#N/A	0	
RADON	100	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	100	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	100	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	100	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	100	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	100	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	100	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	100	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	100	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963.108	0 048	21	#N/A	#N/A	0	
RADON	100	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	100	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	100	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	100	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	100	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	100	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	100	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
RADON	100	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	100	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	100	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	100	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	100	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
RADON	100	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
RADON	100	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	100	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADON	100	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
RADON	100	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADON	100	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
RADON	300	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADON	300	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	300	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
RADON	300	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	300	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADON	300	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADON	300	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
RADON	300	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	300	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADON	300	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	300	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
RADON	300	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	300	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADON	300	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADON	300	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
RADON	300	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADON	300	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	300	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	300	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	300	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	300	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	300	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	300	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	300	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	300	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	300	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	300	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	300	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	300	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	300	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	300	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	300	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	300	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	300	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	300	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	300	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	300	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	300	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0.034763	2 59	0.01	0 22	#N/A	#N/A	0	
RADON	300	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	300	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	300	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11.8	#N/A	#N/A	0	
RADON	300	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0.79	0.02	0 35	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0.18	0 01	0 06	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0.79	0 02	0.35	#N/A	#N/A	0	
RADON	300	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0 015015	0.18	0.01	0.06	#N/A	#N/A	0	
RADON	300	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	300	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	300	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	300	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	300	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	300	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	300	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	300	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3.508161	3747 13	0 1	43	#N/A	#N/A	0	
RADON	300	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
RADON	300	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	300	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	500	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
RADON	500	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	500	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0.15177	938	1	3 8	#N/A	#N/A	0	
RADON	500	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADON	500	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28.85104	27635	3	270	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	500	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	500	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADON	500	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
RADON	500	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	500	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	500	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	500	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	500	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	500	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
RADON	500	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04884	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	500	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04884	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	500	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	500	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	500	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	500	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	500	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	500	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	500	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	500	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	500	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	500	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	500	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11.8	#N/A	#N/A	0	
RADON	500	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0.79	0 02	0 35	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
RADON	500	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0.015015	0 18	0 01	0 06	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	500	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	500	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	500	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	500	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	500	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
RADON	500	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
RADON	500	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	500	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3 8	#N/A	#N/A	0	
RADON	1000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	1000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0 545297	40	1	3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADON	1000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADON	1000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADON	1000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
RADON	1000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	1000	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0.01	0 01	#N/A	#N/A	0	
RADON	1000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	1000	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
RADON	1000	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADON	1000	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADON	1000	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	1000	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
RADON	1000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
RADON	1000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
RADON	1000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0.3	#N/A	#N/A	0	
RADON	1000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8 4	0 1	0.1	#N/A	#N/A	0	
RADON	1000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
RADON	1000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0.1	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645.1	1	66	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
RADON	1000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
RADON	1000	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0.048	21	#N/A	#N/A	0	
RADON	1000	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0 034783	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 088265	80 22983	0 01	1 9	#N/A	#N/A	0	
RADON	1000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034783	2 59	0 01	0 22	#N/A	#N/A	0	
RADON	1000	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	1000	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016384	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0 79	0 02	0 35	#N/A	#N/A	0	
RADON	1000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016384	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
RADON	1000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	1000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	1000	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	1000	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	1000	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0.5	1700	#N/A	#N/A	0	
RADON	1000	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	1000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	1000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0 5	0 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	1000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	1000	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
RADON	1000	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	1000	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
RADON	3000	ANTIMONY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
RADON	3000	ARSENIC	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	BARIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
RADON	3000	BERYLLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
RADON	3000	CADMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5.341778	817	1	73	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CHROMIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	3000	CONDUCTANCE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
RADON	3000	CYANIDE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	DISSOLVED-OXYGE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	DISSOLVED-OXYGE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
RADON	3000	DISSOLVED-SOLID	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADON	3000	DISSOLVED-SOLID	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
RADON	3000	HARDNESS	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADON	3000	HARDNESS	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
RADON	3000	IRON	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
RADON	3000	MANGANESE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
RADON	3000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADON	3000	MERCURY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADON	3000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
RADON	3000	MERCURY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
RADON	3000	NICKEL	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
RADON	3000	NITRATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
RADON	3000	NITRATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
RADON	3000	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
RADON	3000	NITRITE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
RADON	3000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
RADON	3000	NITRITE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
RADON	3000	PH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.6	#N/A	#N/A	0	
RADON	3000	PH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.6	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
RADON	3000	RADIUM-226	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
RADON	3000	SELENIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
RADON	3000	SULFATE	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	3000	SULFATE	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
RADON	3000	THALLIUM	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
RADON	3000	TURBIDITY	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
RADON	3000	TURBIDITY	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
RADON	3000	WELL-DEPTH	SURFACE WATER	P76002	RADON 222-PE-P76002-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
RADON	3000	WELL-DEPTH	SURFACE WATER	P82303	RADON 222-TOTAL-P82303-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SELENIUM	0	ALKALINITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	187	1	0	187	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	ALKALINITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	CONDUCTANCE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	187	1	0	187	1	1	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	185	
SELENIUM	0	CONDUCTANCE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	54	1	0	54	1	1	5930	220.8052	874 9516	1309375	3	38700	#N/A	#N/A	54	
SELENIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	187	1	0	187	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72019	DEPTH BELOW LAND-P72019-(FEET)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	187	1	0	187	1	1	2381	10 08887	2 848372	24021	0 5	15 9	#N/A	#N/A	177	
SELENIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	54	1	0	54	1	1	2381	10 08887	2 848372	24021	0 5	15 9	#N/A	#N/A	54	
SELENIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	187	1	0	187	1	1	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	173	
SELENIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	54	1	0	54	1	1	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	22	
SELENIUM	0	HARDNESS	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	187	1	0	187	1	1	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	175	
SELENIUM	0	HARDNESS	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	54	1	0	54	1	1	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	22	
SELENIUM	0	PH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	187	1	0	187	1	1	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	184	
SELENIUM	0	PH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	54	1	0	54	1	1	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	54	
SELENIUM	0	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	187	1	0	187	1	1	2	0 5	0	1	0 5	0 5	#N/A	#N/A	2	
SELENIUM	0	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	187	1	0	187	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	54	1	0	54	1	1	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
SELENIUM	0	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	54	1	0	54	1	1	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	0	TURBIDITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	187	1	0	187	1	1	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	168	
SELENIUM	0	TURBIDITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	54	1	0	54	1	1	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	21	
SELENIUM	0	WELL-DEPTH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	187	1	0	187	1	1	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SELENIUM	0	WELL-DEPTH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	54	1	0	54	1	1	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SELENIUM	50	ANTIMONY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3 8	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	ANTIMONY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0.545297	40	1	3	#N/A	#N/A	0	
SELENIUM	50	ARSENIC	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	BARIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
SELENIUM	50	BERYLLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999684	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999684	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
SELENIUM	50	CADMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CHROMIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
SELENIUM	50	CONDUCTANCE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
SELENIUM	50	CONDUCTANCE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
SELENIUM	50	CYANIDE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-OXYGE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-OXYGE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-SOLID	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
SELENIUM	50	DISSOLVED-SOLID	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
SELENIUM	50	HARDNESS	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
SELENIUM	50	HARDNESS	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	-359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	IRON	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
SELENIUM	50	IRON	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
SELENIUM	50	MANGANESE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
SELENIUM	50	MERCURY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
SELENIUM	50	MERCURY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
SELENIUM	50	MERCURY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
SELENIUM	50	MERCURY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
SELENIUM	50	NICKEL	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
SELENIUM	50	NICKEL	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
SELENIUM	50	NICKEL	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
SELENIUM	50	NICKEL	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
SELENIUM	50	NITRATE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.046	21	#N/A	#N/A	0	
SELENIUM	50	NITRATE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.046	21	#N/A	#N/A	0	
SELENIUM	50	NITRITE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
SELENIUM	50	NITRITE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
SELENIUM	50	NITRITE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
SELENIUM	50	NITRITE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
SELENIUM	50	PH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
SELENIUM	50	PH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
SELENIUM	50	RADIUM-226	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
SELENIUM	50	SULFATE	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
SELENIUM	50	SULFATE	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
SELENIUM	50	THALLIUM	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SELENIUM	50	TURBIDITY	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SELENIUM	50	TURBIDITY	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
SELENIUM	50	WELL-DEPTH	SURFACE WATER	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SELENIUM	50	WELL-DEPTH	SURFACE WATER	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SULFATE	0	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	2039	15 0177	38 42249	30621	0 5	1700	927	1 011866	0 15177	938	1	3 8	0 13226	0 0001	912	*
SULFATE	0	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	2039	15 0177	38 42249	30621	0.5	1700	1	1	#N/A	1	1	1	#N/A	#N/A	1	
SULFATE	0	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	2039	15 0177	38 42249	30621	0.5	1700	1082	25 5403	28 65104	27635	3	270	0 34001	0 0001	1067	*
SULFATE	0	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	2039	15 0177	38 42249	30621	0 5	1700	1	100	#N/A	100	100	100	#N/A	#N/A	1	
SULFATE	0	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	2039	15 0177	38 42249	30621	0 5	1700	929	0 99785	0 04837	927	0.5	1 5	0 01372	0 6788	914	
SULFATE	0	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	2039	15 0177	38 42249	30621	0 5	1700	1	10	#N/A	10	10	10	#N/A	#N/A	1	
SULFATE	0	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	2039	15 0177	38 42249	30621	0 5	1700	1234	0 999684	0 135368	1233 585	0 1	3	-0 02734	0 3413	1214	
SULFATE	0	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	2039	15 0177	38 42249	30621	0 5	1700	331	1.009063	0.094913	334	1	2	-0 02934	0 6163	294	
SULFATE	0	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	2039	15 0177	38 42249	30621	0 5	1700	1231	1 346791	4.170651	1657.9	1	116	0 02899	0 3134	1211	
SULFATE	0	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	2039	15 0177	38 42249	30621	0 5	1700	331	2 468278	5.341778	817	1	73	0 02777	0 6353	294	
SULFATE	0	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2039	15 0177	38 42249	30621	0 5	1700	5930	220 8052	874 9516	1309375	3	38700	0 89755	0 0001	1995	*
SULFATE	0	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	2039	15 0177	38 42249	30621	0 5	1700	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	5	
SULFATE	0	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	2039	15 0177	38 42249	30621	0 5	1700	2381	10 08867	2 848372	24021	0 5	15 9	-0 09751	0 0001	1942	*
SULFATE	0	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2039	15 0177	38 42249	30621	0 5	1700	1950	129 6248	529 4958	252768	10	23100	0 97867	0 0001	1950	*
SULFATE	0	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2039	15 0177	38 42249	30621	0 5	1700	2005	59 04684	115 1887	118389	3	4500	0 87665	0 0001	2001	*
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	2039	15 0177	38 42249	30621	0 5	1700	359	567 7716	942 462	203830	100	16000	-0 00959	0 8665	310	
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	2039	15 0177	38 42249	30621	0 5	1700	1935	135 4852	151 6656	262164	3	3743 833	-0 04063	0 0755	1915	
SULFATE	0	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	2039	15 0177	38 42249	30621	0 5	1700	82	126 3049	59 55653	10357	30	280	0 55337	0 0003	38	*
SULFATE	0	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	2039	15 0177	38 42249	30621	0 5	1700	1956	47 48958	58 98357	92890	1	1226 333	0 09705	0 0001	1922	*
SULFATE	0	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	2039	15 0177	38 42249	30621	0 5	1700	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	1	
SULFATE	0	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	2039	15 0177	38 42249	30621	0 5	1700	84	0 1	0	8 4	0.1	0 1	#N/A	#N/A	40	
SULFATE	0	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	2039	15 0177	38 42249	30621	0 5	1700	1360	2 680221	4 271872	3645 1	1	66	0 51991	0 0001	1340	*
SULFATE	0	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	2039	15 0177	38 42249	30621	0 5	1700	331	4 980363	5 31696	1648 5	1	44	0 55305	0 0001	294	*
SULFATE	0	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	2039	15 0177	38 42249	30621	0 5	1700	1320	1.487203	1.696988	1963 108	0 048	21	0 5802	0 0001	1127	*
SULFATE	0	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	2039	15 0177	38 42249	30621	0 5	1700	2217	0 036188	0 086265	80 22983	0 01	1 9	0 07553	0 0009	1941	*
SULFATE	0	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	2039	15 0177	38 42249	30621	0 5	1700	73	0 035479	0 034763	2 59	0 01	0 22	0 4482	0 0004	58	*
SULFATE	0	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2039	15 0177	38 42249	30621	0 5	1700	2481	7.19447	0 870099	17849	4	11 8	0 04338	0 0533	1986	
SULFATE	0	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	2039	15 0177	38 42249	30621	0 5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	2039	15 0177	38 42249	30621	0 5	1700	14	0 056429	0 085988	0.79	0 02	0 35	0 13786	0 6389	14	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	0	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	2039	15.0177	38.42249	30621	0.5	1700	11	0.016364	0.015015	0.18	0.01	0.06	0.13456	0.6932	11	
SULFATE	0	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	2039	15.0177	38.42249	30621	0.5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	2039	15.0177	38.42249	30621	0.5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	2039	15.0177	38.42249	30621	0.5	1700	187	1	0	187	1	1	#N/A	#N/A	175	
SULFATE	0	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	2039	15.0177	38.42249	30621	0.5	1700	54	1	0	54	1	1	#N/A	#N/A	22	
SULFATE	0	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	2039	15.0177	38.42249	30621	0.5	1700	2	0.5	0	1	0.5	0.5	#N/A	#N/A	2	
SULFATE	0	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	2039	15.0177	38.42249	30621	0.5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	2039	15.0177	38.42249	30621	0.5	1700	1376	2.723205	3.508161	3747.13	0.1	43	0.02834	0.2998	1341	
SULFATE	0	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	2039	15.0177	38.42249	30621	0.5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	2039	15.0177	38.42249	30621	0.5	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	0	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	2039	15.0177	38.42249	30621	0.5	1700	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
SULFATE	25	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	232	40.82026	109.8569	9470.3	25	1700	927	1.011866	0.15177	938	1	3.8	0.12154	0.208	109	
SULFATE	25	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	232	40.82026	109.8569	9470.3	25	1700	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SULFATE	25	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	232	40.82026	109.8569	9470.3	25	1700	33	1.212121	0.545287	40	1	3	0.14512	0.8549	4	
SULFATE	25	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	232	40.82026	109.8569	9470.3	25	1700	72	1.319444	0.62408	95	1	4	0.18377	0.6113	10	
SULFATE	25	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	232	40.82026	109.8569	9470.3	25	1700	1082	25.5403	28.85104	27635	3	270	-0.24274	0.0099	112	*
SULFATE	25	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	232	40.82026	109.8569	9470.3	25	1700	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SULFATE	25	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	232	40.82026	109.8569	9470.3	25	1700	929	0.99785	0.04637	927	0.5	1.5	0.08769	0.3623	110	
SULFATE	25	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	232	40.82026	109.8569	9470.3	25	1700	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SULFATE	25	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	232	40.82026	109.8569	9470.3	25	1700	1234	0.999664	0.135368	1233.585	0.1	3	0.06447	0.4627	132	
SULFATE	25	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	232	40.82026	109.8569	9470.3	25	1700	331	1.009063	0.094913	334	1	2	#N/A	#N/A	53	
SULFATE	25	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	232	40.82026	109.8569	9470.3	25	1700	1231	1.346791	4.170651	1657.9	1	116	-0.14117	0.1064	132	
SULFATE	25	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	232	40.82026	109.8569	9470.3	25	1700	331	2.468278	5.341778	817	1	73	-0.05205	0.7113	53	
SULFATE	25	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	232	40.82026	109.8569	9470.3	25	1700	5930	220.8052	874.9516	1309375	3	38700	0.91477	0.0001	229	*
SULFATE	25	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	232	40.82026	109.8569	9470.3	25	1700	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
SULFATE	25	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	232	40.82026	109.8569	9470.3	25	1700	2381	10.08867	2.848372	24021	0.5	15.9	-0.08774	0.1938	221	
SULFATE	25	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	232	40.82026	109.8569	9470.3	25	1700	1950	129.6248	529.4958	252768	10	23100	0.99698	0.0001	223	*
SULFATE	25	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	232	40.82026	109.8569	9470.3	25	1700	2005	59.04684	115.1687	118389	3	4500	0.9859	0.0001	231	*
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	232	40.82026	109.8569	9470.3	25	1700	359	567.7716	942.462	203830	100	16000	-0.02174	0.8713	58	
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	232	40.82026	109.8569	9470.3	25	1700	1935	135.4852	151.6656	262164	3	3743.833	-0.10129	0.136	218	
SULFATE	25	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	232	40.82026	109.8569	9470.3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	232	40.82026	109.8569	9470.3	25	1700	82	126.3049	59.55653	10357	30	280	0.34247	0.3026	11	
SULFATE	25	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	232	40.82026	109.8569	9470.3	25	1700	1956	47.48958	58.98357	92890	1	1226.333	0.01561	0.8187	218	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	25	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	232	40 82026	109 8569	9470 3	25	1700	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
SULFATE	25	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	232	40 82026	109 8569	9470 3	25	1700	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	11	
SULFATE	25	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	232	40 82026	109 8569	9470 3	25	1700	1360	2.680221	4 271872	3645 1	1	66	0 28152	0 001	134	*
SULFATE	25	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	232	40 82026	109 8569	9470 3	25	1700	331	4 980363	5 31696	1648 5	1	44	0 35096	0 01	53	*
SULFATE	25	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	232	40 82026	109 8569	9470 3	25	1700	1320	1.487203	1 696986	1963 108	0 048	21	0 05578	0 4339	199	
SULFATE	25	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	232	40 82026	109 8569	9470 3	25	1700	2217	0 036188	0 086265	80 22983	0 01	1 9	-0 00095	0 9887	226	
SULFATE	25	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	232	40 82026	109 8569	9470 3	25	1700	73	0.035479	0 034763	2 59	0 01	0 22	1	#N/A	2	
SULFATE	25	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	232	40 82026	109 8569	9470 3	25	1700	2481	7 19447	0 670099	17849	4	11 8	-0 00578	0 9311	226	
SULFATE	25	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	232	40 82026	109 8569	9470 3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	232	40 82026	109 8569	9470 3	25	1700	14	0.056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
SULFATE	25	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	232	40 82026	109 8569	9470 3	25	1700	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
SULFATE	25	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PC/L)	232	40 82026	109 8569	9470 3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PC/L)	232	40 82026	109 8569	9470 3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	232	40 82026	109 8569	9470 3	25	1700	187	1	0	187	1	1	#N/A	#N/A	6	
SULFATE	25	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	232	40 82026	109 8569	9470 3	25	1700	54	1	0	54	1	1	#N/A	#N/A	6	
SULFATE	25	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	232	40 82026	109 8569	9470 3	25	1700	2	0 5	0	1	0.5	0 5	#N/A	#N/A	0	
SULFATE	25	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	232	40 82026	109 8569	9470 3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	232	40 82026	109 8569	9470 3	25	1700	1376	2 723205	3.508161	3747 13	0 1	43	-0.1569	0 077	128	
SULFATE	25	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	232	40 82026	109 8569	9470 3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	232	40 82026	109 8569	9470 3	25	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	25	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	232	40 82026	109 8569	9470 3	25	1700	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SULFATE	120	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
SULFATE	120	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SULFATE	120	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	33	1 212121	0.545297	40	1	3	#N/A	#N/A	0	
SULFATE	120	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
SULFATE	120	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
SULFATE	120	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SULFATE	120	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
SULFATE	120	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SULFATE	120	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
SULFATE	120	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
SULFATE	120	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	1231	1.348791	4.170651	1657.9	1	116	#N/A	#N/A	0	
SULFATE	120	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
SULFATE	120	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	1700	#N/A	1700	1700	1700	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	1	
SULFATE	120	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	5	0 01	0	0 05	0.01	0 01	#N/A	#N/A	0	
SULFATE	120	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	120	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	1	1700	#N/A	1700	1700	1700	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	1	
SULFATE	120	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	1700	#N/A	1700	1700	1700	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	1	
SULFATE	120	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	1700	#N/A	1700	1700	1700	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	1	
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	359	567.7716	942 462	203830	100	18000	#N/A	#N/A	0	
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	1	
SULFATE	120	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
SULFATE	120	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	1956	47.48958	58 98357	92890	1	1228 333	#N/A	#N/A	1	
SULFATE	120	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
SULFATE	120	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
SULFATE	120	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
SULFATE	120	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
SULFATE	120	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
SULFATE	120	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	1	
SULFATE	120	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
SULFATE	120	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	1700	#N/A	1700	1700	1700	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	1	
SULFATE	120	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	1700	#N/A	1700	1700	1700	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
SULFATE	120	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	1700	#N/A	1700	1700	1700	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
SULFATE	120	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	187	1	0	187	1	1	#N/A	#N/A	0	
SULFATE	120	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	120	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
SULFATE	120	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	1	1700	#N/A	1700	1700	1700	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
SULFATE	120	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	120	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	1	1700	#N/A	1700	1700	1700	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SULFATE	150	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
SULFATE	150	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SULFATE	150	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000 (UG/L AS AS)	1	1700	#N/A	1700	1700	1700	33	1.212121	0 545297	40	1	3	#N/A	#N/A	0	
SULFATE	150	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
SULFATE	150	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1082	25.5403	28 85104	27635	3	270	#N/A	#N/A	0	
SULFATE	150	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SULFATE	150	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	150	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SULFATE	150	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
SULFATE	150	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
SULFATE	150	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
SULFATE	150	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
SULFATE	150	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	1700	#N/A	1700	1700	1700	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	1	
SULFATE	150	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
SULFATE	150	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	1700	#N/A	1700	1700	1700	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	1	
SULFATE	150	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	1700	#N/A	1700	1700	1700	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	1	
SULFATE	150	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	1700	#N/A	1700	1700	1700	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	1	
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	1	
SULFATE	150	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
SULFATE	150	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	1	
SULFATE	150	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
SULFATE	150	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
SULFATE	150	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
SULFATE	150	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
SULFATE	150	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	1320	1.487203	1.696986	1963.108	0.046	21	#N/A	#N/A	0	
SULFATE	150	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	2217	0.038188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	1	
SULFATE	150	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
SULFATE	150	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	1700	#N/A	1700	1700	1700	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	1	
SULFATE	150	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	1700	#N/A	1700	1700	1700	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
SULFATE	150	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	1700	#N/A	1700	1700	1700	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
SULFATE	150	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	187	1	0	187	1	1	#N/A	#N/A	0	
SULFATE	150	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	150	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
SULFATE	150	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	1	1700	#N/A	1700	1700	1700	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
SULFATE	150	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	150	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	150	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	1	1700	#N/A	1700	1700	1700	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SULFATE	250	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
SULFATE	250	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SULFATE	250	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
SULFATE	250	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
SULFATE	250	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
SULFATE	250	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SULFATE	250	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
SULFATE	250	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SULFATE	250	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	1234	0 999684	0 135388	1233 585	0 1	3	#N/A	#N/A	0	
SULFATE	250	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
SULFATE	250	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
SULFATE	250	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
SULFATE	250	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	1700	#N/A	1700	1700	1700	5930	220 8052	674 9516	1309375	3	38700	#N/A	#N/A	1	
SULFATE	250	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
SULFATE	250	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	1700	#N/A	1700	1700	1700	2381	10 08887	2 848372	24021	0 5	15 9	#N/A	#N/A	1	
SULFATE	250	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	1700	#N/A	1700	1700	1700	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	1	
SULFATE	250	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	1700	#N/A	1700	1700	1700	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	1	
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	1935	135.4852	151.6656	262164	3	3743 833	#N/A	#N/A	1	
SULFATE	250	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
SULFATE	250	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	1956	47 48958	58 98357	92890	1	1220 333	#N/A	#N/A	1	
SULFATE	250	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
SULFATE	250	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
SULFATE	250	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	1360	2 680221	4 271872	3645.1	1	66	#N/A	#N/A	0	
SULFATE	250	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	331	4.980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
SULFATE	250	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	1320	1 487203	1.696986	1963 108	0 048	21	#N/A	#N/A	0	
SULFATE	250	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	1	
SULFATE	250	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
SULFATE	250	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	1700	#N/A	1700	1700	1700	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	1	
SULFATE	250	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	1700	#N/A	1700	1700	1700	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	250	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	1700	#N/A	1700	1700	1700	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
SULFATE	250	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	187	1	0	187	1	1	#N/A	#N/A	0	
SULFATE	250	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	250	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
SULFATE	250	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	1	1700	#N/A	1700	1700	1700	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
SULFATE	250	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	250	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	1	1700	#N/A	1700	1700	1700	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
SULFATE	500	ALKALINITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
SULFATE	500	ANTIMONY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	1	1700	#N/A	1700	1700	1700	1	1	#N/A	1	1	1	#N/A	#N/A	0	
SULFATE	500	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
SULFATE	500	ARSENIC	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	1	1700	#N/A	1700	1700	1700	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
SULFATE	500	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
SULFATE	500	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	BARIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	1	1700	#N/A	1700	1700	1700	1	100	#N/A	100	100	100	#N/A	#N/A	0	
SULFATE	500	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
SULFATE	500	BERYLLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	1	1700	#N/A	1700	1700	1700	1	10	#N/A	10	10	10	#N/A	#N/A	0	
SULFATE	500	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	1234	0 999664	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
SULFATE	500	CADMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	1	1700	#N/A	1700	1700	1700	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	1231	1 346791	4 170851	1657 9	1	116	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	CHROMIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	1	1700	#N/A	1700	1700	1700	331	2 468278	5.341778	817	1	73	#N/A	#N/A	0	
SULFATE	500	CONDUCTANCE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	1700	#N/A	1700	1700	1700	5930	220 8052	874.9516	1309375	3	38700	#N/A	#N/A	1	
SULFATE	500	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	5	0.01	0	0 05	0.01	0 01	#N/A	#N/A	0	
SULFATE	500	CYANIDE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	DEPTH-BELOW-LAN	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	DISSOLVED-OXYGE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	1700	#N/A	1700	1700	1700	2381	10 08867	2 848372	24021	0 5	15.9	#N/A	#N/A	1	
SULFATE	500	DISSOLVED-SOLID	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	1	1700	#N/A	1700	1700	1700	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	1	
SULFATE	500	HARDNESS	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	1	1700	#N/A	1700	1700	1700	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	1	
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	359	567.7718	942 452	203830	100	16000	#N/A	#N/A	0	
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	1	1700	#N/A	1700	1700	1700	1935	135 4852	151 6656	262184	3	3743 833	#N/A	#N/A	1	
SULFATE	500	IRON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01047	IRON-FERROUS-P01047-(UG/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
SULFATE	500	MANGANESE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	1	1700	#N/A	1700	1700	1700	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	1	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
SULFATE	500	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
SULFATE	500	MERCURY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	1	1700	#N/A	1700	1700	1700	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
SULFATE	500	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	1360	2 680221	4 271872	3645.1	1	68	#N/A	#N/A	0	
SULFATE	500	NICKEL	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	1	1700	#N/A	1700	1700	1700	331	4.980363	5.31696	1648 5	1	44	#N/A	#N/A	0	
SULFATE	500	NITRATE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	1320	1.487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
SULFATE	500	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	2217	0 036188	0 088265	80 22983	0 01	1 9	#N/A	#N/A	1	
SULFATE	500	NITRITE	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	1	1700	#N/A	1700	1700	1700	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
SULFATE	500	PH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	1700	#N/A	1700	1700	1700	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	1	
SULFATE	500	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	1	1700	#N/A	1700	1700	1700	14	0 056429	0 085988	0.79	0 02	0 35	#N/A	#N/A	0	
SULFATE	500	RADIUM-226	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	1	1700	#N/A	1700	1700	1700	11	0.016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
SULFATE	500	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P76002	RADON 222-PE-P76002-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	RADON	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P82303	RADON 222-TOTAL-P82303-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	187	1	0	187	1	1	#N/A	#N/A	0	
SULFATE	500	SELENIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	1	1700	#N/A	1700	1700	1700	54	1	0	54	1	1	#N/A	#N/A	0	
SULFATE	500	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
SULFATE	500	THALLIUM	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	TURBIDITY	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P00076	TURBIDITY-P00076-(NTU)	1	1700	#N/A	1700	1700	1700	1376	2 723205	3 508181	3747.13	0 1	43	#N/A	#N/A	0	
SULFATE	500	URANIUM-235	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	URANIUM-238	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	1	1700	#N/A	1700	1700	1700	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
SULFATE	500	WELL-DEPTH	SURFACE WATER	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	P72008	DEPTH OF WELL-P72008-(FEET)	1	1700	#N/A	1700	1700	1700	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
THALLIUM	0	ALKALINITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	2	0 5	0	1	0 5	0 5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	0	ALKALINITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	0	CONDUCTANCE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	2	0 5	0	1	0 5	0 5	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	2	
THALLIUM	0	CONDUCTANCE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
THALLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	2	0.5	0	1	0 5	0 5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	0	DEPTH-BELOW-LAN	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72019	DEPTH BELOW LAND-P72019-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	2	0 5	0	1	0 5	0.5	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	2	
THALLIUM	0	DISSOLVED-OXYGE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0.5	15 9	#N/A	#N/A	0	
THALLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	2	0 5	0	1	0.5	0 5	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	2	
THALLIUM	0	DISSOLVED-SOLID	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
THALLIUM	0	HARDNESS	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	2	0 5	0	1	0 5	0 5	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	2	
THALLIUM	0	HARDNESS	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
THALLIUM	0	PH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	2	0.5	0	1	0.5	0 5	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	2	
THALLIUM	0	PH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
THALLIUM	0	TURBIDITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	2	0.5	0	1	0 5	0.5	1376	2 723205	3 508181	3747 13	0 1	43	#N/A	#N/A	2	
THALLIUM	0	TURBIDITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508181	3747 13	0 1	43	#N/A	#N/A	0	
THALLIUM	0	WELL-DEPTH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	2	0.5	0	1	0 5	0 5	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
THALLIUM	0	WELL-DEPTH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20.5	20 5	#N/A	#N/A	0	
THALLIUM	2	ANTIMONY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3 8	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	ANTIMONY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
THALLIUM	2	ANTIMONY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011868	0.15177	938	1	3 8	#N/A	#N/A	0	
THALLIUM	2	ANTIMONY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
THALLIUM	2	ARSENIC	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
THALLIUM	2	ARSENIC	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
THALLIUM	2	ARSENIC	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0.545297	40	1	3	#N/A	#N/A	0	
THALLIUM	2	ARSENIC	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	BARIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
THALLIUM	2	BERYLLIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
THALLIUM	2	CADMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0.094913	334	1	2	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CHROMIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
THALLIUM	2	CONDUCTANCE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
THALLIUM	2	CONDUCTANCE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
THALLIUM	2	CYANIDE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-OXYGE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-OXYGE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2.848372	24021	0 5	15 9	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-SOLID	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
THALLIUM	2	DISSOLVED-SOLID	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529 4958	252768	10	23100	#N/A	#N/A	0	
THALLIUM	2	HARDNESS	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115.1687	118389	3	4500	#N/A	#N/A	0	
THALLIUM	2	HARDNESS	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
THALLIUM	2	IRON	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
THALLIUM	2	MANGANESE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
THALLIUM	2	MERCURY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
THALLIUM	2	MERCURY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
THALLIUM	2	MERCURY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
THALLIUM	2	MERCURY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
THALLIUM	2	NICKEL	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
THALLIUM	2	NICKEL	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
THALLIUM	2	NICKEL	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
THALLIUM	2	NICKEL	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
THALLIUM	2	NITRATE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 046	21	#N/A	#N/A	0	
THALLIUM	2	NITRATE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696986	1963 108	0 046	21	#N/A	#N/A	0	
THALLIUM	2	NITRITE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1.9	#N/A	#N/A	0	
THALLIUM	2	NITRITE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0.034763	2 59	0 01	0 22	#N/A	#N/A	0	
THALLIUM	2	NITRITE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
THALLIUM	2	NITRITE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
THALLIUM	2	PH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11.8	#N/A	#N/A	0	
THALLIUM	2	PH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0 79	0 02	0 35	#N/A	#N/A	0	
THALLIUM	2	RADIUM-226	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0.18	0 01	0 06	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
THALLIUM	2	SELENIUM	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
THALLIUM	2	SULFATE	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
THALLIUM	2	SULFATE	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
THALLIUM	2	TURBIDITY	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
THALLIUM	2	TURBIDITY	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	SURFACE WATER	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
THALLIUM	2	WELL-DEPTH	SURFACE WATER	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
TURBIDITY	0	CONDUCTANCE	SURFACE WATER	P00076	TURBIDITY-P00076-(NTU)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1376	2.723205	3.508161	3747.13	0.1	43	5930	220.8052	874.9516	1309375	3	38700	0.11194	0.0001	1376	*
URANIUM-235	0	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0.15177	938	1	3.8	#N/A	#N/A	0	
URANIUM-235	0	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-235	0	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
URANIUM-235	0	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-235	0	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
URANIUM-235	0	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.348791	4.170651	1657.9	1	116	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
URANIUM-235	0	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-235	0	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
URANIUM-235	0	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
URANIUM-235	0	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-235	0	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
URANIUM-235	0	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
URANIUM-235	0	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
URANIUM-235	0	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
URANIUM-235	0	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
URANIUM-235	0	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
URANIUM-235	0	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
URANIUM-235	0	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086285	80.22983	0.01	1.9	#N/A	#N/A	0	
URANIUM-235	0	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
URANIUM-235	0	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
URANIUM-235	0	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-235	0	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	0	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
URANIUM-235	0	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	0	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
URANIUM-235	0	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-235	5	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
URANIUM-235	5	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
URANIUM-235	5	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999684	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
URANIUM-235	5	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170851	1657 9	1	116	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
URANIUM-235	5	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-235	5	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0 05	0 01	0 01	#N/A	#N/A	0	
URANIUM-235	5	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
URANIUM-235	5	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-235	5	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942 462	203830	100	16000	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-235	5	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
URANIUM-235	5	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-235	5	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0.3	0 3	0 3	#N/A	#N/A	0	
URANIUM-235	5	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
URANIUM-235	5	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
URANIUM-235	5	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
URANIUM-235	5	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696988	1963 108	0 048	21	#N/A	#N/A	0	
URANIUM-235	5	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-235	5	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
URANIUM-235	5	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	5	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
URANIUM-235	5	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0 015015	0 18	0 01	0.06	#N/A	#N/A	0	
URANIUM-235	5	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-235	5	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	5	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
URANIUM-235	5	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
URANIUM-235	5	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	5	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
URANIUM-235	5	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20.5	20 5	20 5	#N/A	#N/A	0	
URANIUM-235	20	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-235	20	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-235	20	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
URANIUM-235	20	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-235	20	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0.04637	927	0 5	1.5	#N/A	#N/A	0	
URANIUM-235	20	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-235	20	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999684	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
URANIUM-235	20	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
URANIUM-235	20	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-235	20	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
URANIUM-235	20	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
URANIUM-235	20	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252788	10	23100	#N/A	#N/A	0	
URANIUM-235	20	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942 462	203830	100	16000	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-235	20	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
URANIUM-235	20	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-235	20	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
URANIUM-235	20	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8 4	0.1	0 1	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
URANIUM-235	20	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648 5	1	44	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	20	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-235	20	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0.034763	2 59	0 01	0 22	#N/A	#N/A	0	
URANIUM-235	20	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
URANIUM-235	20	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
URANIUM-235	20	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-235	20	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	20	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
URANIUM-235	20	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0.5	0 5	#N/A	#N/A	0	
URANIUM-235	20	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	20	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3.508161	3747 13	0 1	43	#N/A	#N/A	0	
URANIUM-235	20	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0.15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-235	50	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
URANIUM-235	50	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0 5	1.5	#N/A	#N/A	0	
URANIUM-235	50	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-235	50	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
URANIUM-235	50	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341776	817	1	73	#N/A	#N/A	0	
URANIUM-235	50	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-235	50	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
URANIUM-235	50	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2.848372	24021	0 5	15 9	#N/A	#N/A	0	
URANIUM-235	50	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529.4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-235	50	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04684	115.1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942 462	203830	100	16000	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151.6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-235	50	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	50	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-235	50	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
URANIUM-235	50	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8.4	0 1	0 1	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271672	3645.1	1	66	#N/A	#N/A	0	
URANIUM-235	50	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980383	5 31696	1648 5	1	44	#N/A	#N/A	0	
URANIUM-235	50	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1.696988	1963 108	0 048	21	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0.088265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-235	50	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2.59	0 01	0 22	#N/A	#N/A	0	
URANIUM-235	50	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7 19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0.79	0 02	0 35	#N/A	#N/A	0	
URANIUM-235	50	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0.015015	0 18	0 01	0 06	#N/A	#N/A	0	
URANIUM-235	50	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-235	50	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	50	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0 5	1700	#N/A	#N/A	0	
URANIUM-235	50	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
URANIUM-235	50	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	50	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
URANIUM-235	50	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-235	60	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0.15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-235	60	ANTIMONY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
URANIUM-235	60	ARSENIC	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	BARIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0 04637	927	0.5	1 5	#N/A	#N/A	0	
URANIUM-235	60	BERYLLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999684	0.135368	1233 585	0 1	3	#N/A	#N/A	0	
URANIUM-235	60	CADMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657.9	1	116	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	CHROMIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
URANIUM-235	60	CONDUCTANCE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-235	60	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0.05	0 01	0 01	#N/A	#N/A	0	
URANIUM-235	60	CYANIDE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	DISSOLVED-OXYGE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
URANIUM-235	60	DISSOLVED-SOLID	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-235	60	HARDNESS	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115.1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.633	#N/A	#N/A	0	
URANIUM-235	60	IRON	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
URANIUM-235	60	MANGANESE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
URANIUM-235	60	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
URANIUM-235	60	MERCURY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
URANIUM-235	60	NICKEL	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
URANIUM-235	60	NITRATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.046	21	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
URANIUM-235	60	NITRITE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
URANIUM-235	60	PH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
URANIUM-235	60	RADIUM-226	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
URANIUM-235	60	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-235	60	SELENIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-235	60	SULFATE	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
URANIUM-235	60	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
URANIUM-235	60	THALLIUM	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-235	60	TURBIDITY	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
URANIUM-235	60	WELL-DEPTH	SURFACE WATER	P22620	URANIUM 235-DISSOLVED-P22620-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
URANIUM-238	0	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011868	0.15177	938	1	3.8	#N/A	#N/A	0	
URANIUM-238	0	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-238	0	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
URANIUM-238	0	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-238	0	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
URANIUM-238	0	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341778	817	1	73	#N/A	#N/A	0	
URANIUM-238	0	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-238	0	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
URANIUM-238	0	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WTH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	0	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-238	0	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115.1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-238	0	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
URANIUM-238	0	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-238	0	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
URANIUM-238	0	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8 4	0 1	0 1	#N/A	#N/A	0	
URANIUM-238	0	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645.1	1	66	#N/A	#N/A	0	
URANIUM-238	0	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648 5	1	44	#N/A	#N/A	0	
URANIUM-238	0	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0.086265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-238	0	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
URANIUM-238	0	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11 8	#N/A	#N/A	0	
URANIUM-238	0	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-238	0	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	0	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0.5	0 5	#N/A	#N/A	0	
URANIUM-238	0	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	0	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0.1	43	#N/A	#N/A	0	
URANIUM-238	0	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-238	5	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0.15177	938	1	3 6	#N/A	#N/A	0	
URANIUM-238	5	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-238	5	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0.545297	40	1	3	#N/A	#N/A	0	
URANIUM-238	5	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-238	5	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0 99785	0.04637	927	0 5	1 5	#N/A	#N/A	0	
URANIUM-238	5	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-238	5	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135388	1233.585	0 1	3	#N/A	#N/A	0	
URANIUM-238	5	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.348791	4.170651	1657.9	1	116	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5 341778	817	1	73	#N/A	#N/A	0	
URANIUM-238	5	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	674 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-238	5	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0 05	0 01	0 01	#N/A	#N/A	0	
URANIUM-238	5	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15.9	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	5	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-238	5	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-238	5	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
URANIUM-238	5	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-238	5	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0 3	0 3	#N/A	#N/A	0	
URANIUM-238	5	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC.-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0 1	#N/A	#N/A	0	
URANIUM-238	5	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
URANIUM-238	5	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
URANIUM-238	5	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
URANIUM-238	5	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-238	5	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0 01	0 22	#N/A	#N/A	0	
URANIUM-238	5	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
URANIUM-238	5	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
URANIUM-238	5	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
URANIUM-238	5	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-238	5	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	5	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0.5	1700	#N/A	#N/A	0	
URANIUM-238	5	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
URANIUM-238	5	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	5	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00078	TURBIDITY-P00078-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
URANIUM-238	5	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-238	20	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-238	20	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
URANIUM-238	20	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1 319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25 5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	
URANIUM-238	20	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
URANIUM-238	20	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4 170651	1657 9	1	116	#N/A	#N/A	0	
URANIUM-238	20	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHREQ	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	20	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
URANIUM-238	20	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0 01	0 01	#N/A	#N/A	0	
URANIUM-238	20	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08887	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
URANIUM-238	20	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-238	20	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-238	20	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59.55653	10357	30	280	#N/A	#N/A	0	
URANIUM-238	20	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-238	20	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0.3	0 3	#N/A	#N/A	0	
URANIUM-238	20	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0 1	0	8 4	0 1	0.1	#N/A	#N/A	0	
URANIUM-238	20	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
URANIUM-238	20	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4 980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
URANIUM-238	20	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
URANIUM-238	20	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 088265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-238	20	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0 034763	2 59	0.01	0 22	#N/A	#N/A	0	
URANIUM-238	20	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0 670099	17849	4	11 8	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
URANIUM-238	20	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0.01	0 06	#N/A	#N/A	0	
URANIUM-238	20	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-238	20	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	20	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
URANIUM-238	20	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
URANIUM-238	20	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	20	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747.13	0 1	43	#N/A	#N/A	0	
URANIUM-238	20	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-238	50	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1 011866	0 15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-238	50	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-238	50	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1 212121	0 545297	40	1	3	#N/A	#N/A	0	
URANIUM-238	50	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0 62408	95	1	4	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28 85104	27635	3	270	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-238	50	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0 04637	927	0 5	1 5	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	50	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-238	50	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0 999664	0 135368	1233 585	0 1	3	#N/A	#N/A	0	
URANIUM-238	50	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1 009063	0 094913	334	1	2	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1 346791	4.170651	1657 9	1	116	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2 468278	5 341778	817	1	73	#N/A	#N/A	0	
URANIUM-238	50	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220 8052	874 9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-238	50	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0 01	0	0 05	0 01	0 01	#N/A	#N/A	0	
URANIUM-238	50	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10 08867	2 848372	24021	0 5	15 9	#N/A	#N/A	0	
URANIUM-238	50	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129 6248	529 4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-238	50	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59 04684	115 1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567 7716	942 462	203830	100	16000	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135 4852	151 6656	262164	3	3743 833	#N/A	#N/A	0	
URANIUM-238	50	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126 3049	59 55653	10357	30	280	#N/A	#N/A	0	
URANIUM-238	50	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47 48958	58 98357	92890	1	1226 333	#N/A	#N/A	0	
URANIUM-238	50	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0 3	#N/A	0 3	0 3	0 3	#N/A	#N/A	0	
URANIUM-238	50	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8 4	0 1	0 1	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2 680221	4 271872	3645 1	1	66	#N/A	#N/A	0	
URANIUM-238	50	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5 31696	1648 5	1	44	#N/A	#N/A	0	
URANIUM-238	50	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1 487203	1 696986	1963 108	0 048	21	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0 036188	0 086265	80 22983	0 01	1 9	#N/A	#N/A	0	
URANIUM-238	50	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0 035479	0.034763	2 59	0 01	0 22	#N/A	#N/A	0	
URANIUM-238	50	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2461	7 19447	0 670099	17649	4	11 8	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0 056429	0 085988	0 79	0 02	0 35	#N/A	#N/A	0	
URANIUM-238	50	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0 016364	0 015015	0 18	0 01	0 06	#N/A	#N/A	0	
URANIUM-238	50	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-238	50	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	50	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15 0177	38 42249	30621	0 5	1700	#N/A	#N/A	0	
URANIUM-238	50	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0 5	0	1	0 5	0 5	#N/A	#N/A	0	
URANIUM-238	50	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	50	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2 723205	3 508161	3747 13	0 1	43	#N/A	#N/A	0	
URANIUM-238	50	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20 5	#N/A	20 5	20 5	20 5	#N/A	#N/A	0	
URANIUM-238	60	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01095	ANTIMONY-DISSOLVED-P01095-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	927	1.011866	0 15177	938	1	3 8	#N/A	#N/A	0	
URANIUM-238	60	ANTIMONY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01097	ANTIMONY-TOTAL-P01097-(UG/L AS SB)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	1	#N/A	1	1	1	#N/A	#N/A	0	
URANIUM-238	60	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01000	ARSENIC-DISSOLVED-P01000-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	33	1.212121	0 545297	40	1	3	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	60	ARSENIC	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01002	ARSENIC-TOTAL-P01002-(UG/L AS AS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	72	1.319444	0.62408	95	1	4	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01005	BARIUM-DISSOLVED-P01005-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1082	25.5403	28.85104	27635	3	270	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01006	BARIUM-SUSPENDED-P01006 (UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	BARIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01007	BARIUM-TOTAL-P01007-(UG/L AS BA)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	100	#N/A	100	100	100	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01010	BERYLLIUM-DISSOLVED-P01010-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	929	0.99785	0.04637	927	0.5	1.5	#N/A	#N/A	0	
URANIUM-238	60	BERYLLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01012	BERYLLIUM-TOTAL-P01012-(UG/L AS BE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	10	#N/A	10	10	10	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01025	CADMIUM-DISSOLVED-P01025-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1234	0.999664	0.135368	1233.585	0.1	3	#N/A	#N/A	0	
URANIUM-238	60	CADMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01027	CADMIUM-TOTAL-P01027-(UG/L AS CD)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	1.009063	0.094913	334	1	2	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01030	CHROMIUM-DISSOLVED-P01030-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1231	1.346791	4.170651	1657.9	1	116	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01032	CHROMIUM-HEXAVAL-P01032-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	CHROMIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01034	CHROMIUM-TOTAL-P01034-(UG/L AS CR)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	2.468278	5.341776	817	1	73	#N/A	#N/A	0	
URANIUM-238	60	CONDUCTANCE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00720	CYANIDE-TOTAL-P00720-(MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	5	0.01	0	0.05	0.01	0.01	#N/A	#N/A	0	
URANIUM-238	60	CYANIDE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00723	CYANIDE-DISSOLVED-P00723 (MG/L AS CN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	DISSOLVED-OXYGE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00300	OXYGEN-DISSOLVED-P00300 (MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
URANIUM-238	60	DISSOLVED-SOLID	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P70301	DISSOLVED SOLIDS-P70301-(MG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1950	129.6248	529.4958	252768	10	23100	#N/A	#N/A	0	
URANIUM-238	60	HARDNESS	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00900	HARDNESS-TOTAL-P00900-(MG/L AS CAO3)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2005	59.04884	115.1687	118389	3	4500	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01044	IRON-SUSPENDED-P01044-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01045	IRON-TOTAL-P01045-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	359	567.7716	942.462	203830	100	16000	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01046	IRON-DISSOLVED-P01046-(UG/L AS FE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1935	135.4852	151.6656	262164	3	3743.833	#N/A	#N/A	0	
URANIUM-238	60	IRON	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01047	IRON-FERROUS-P01047-(UG/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01054	MANGANESE-SUSPENDED-P01054-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01055	MANGANESE-TOTAL-P01055-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	82	126.3049	59.55653	10357	30	280	#N/A	#N/A	0	
URANIUM-238	60	MANGANESE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01056	MANGANESE-DISSOLVED-P01056-(UG/L AS MN)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1956	47.48958	58.98357	92890	1	1226.333	#N/A	#N/A	0	
URANIUM-238	60	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71890	MERCURY-DISSOLVED-P71890-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	0.3	#N/A	0.3	0.3	0.3	#N/A	#N/A	0	
URANIUM-238	60	MERCURY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P71900	MERCURY-TOTAL REC-P71900-(UG/L AS HG)	0	#N/A	#N/A	#N/A	#N/A	#N/A	84	0.1	0	8.4	0.1	0.1	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01065	NICKEL-DISSOLVED-P01065-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1360	2.680221	4.271872	3645.1	1	66	#N/A	#N/A	0	
URANIUM-238	60	NICKEL	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01067	NICKEL-TOTAL-P01067-(UG/L AS NI)	0	#N/A	#N/A	#N/A	#N/A	#N/A	331	4.980363	5.31696	1648.5	1	44	#N/A	#N/A	0	
URANIUM-238	60	NITRATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00618	NITROGEN-NITRATE-P00618-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1320	1.487203	1.696986	1963.108	0.048	21	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00613	NITROGEN-NITRITE-P00613-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2217	0.036188	0.086265	80.22983	0.01	1.9	#N/A	#N/A	0	
URANIUM-238	60	NITRITE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00615	NITROGEN-NITRITE-P00615-(MG/L AS N)	0	#N/A	#N/A	#N/A	#N/A	#N/A	73	0.035479	0.034763	2.59	0.01	0.22	#N/A	#N/A	0	
URANIUM-238	60	PH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09510	RADIUM 226-DISSOLVED-P09510-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P09511	RADIUM 226-DISSOLVED-P09511-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	14	0.056429	0.085988	0.79	0.02	0.35	#N/A	#N/A	0	
URANIUM-238	60	RADIUM-226	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P76001	RADIUM 226-PE DISSOLVED-P76001-(PCI/L)	0	#N/A	#N/A	#N/A	#N/A	#N/A	11	0.016364	0.015015	0.18	0.01	0.06	#N/A	#N/A	0	
URANIUM-238	60	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01145	SELENIUM-DISSOLVED-P01145-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	187	1	0	187	1	1	#N/A	#N/A	0	
URANIUM-238	60	SELENIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01147	SELENIUM-TOTAL-P01147-(UG/L AS SE)	0	#N/A	#N/A	#N/A	#N/A	#N/A	54	1	0	54	1	1	#N/A	#N/A	0	
URANIUM-238	60	SULFATE	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00945	SULFATE-DISSOLVED-P00945-(MG/L AS SO4)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2039	15.0177	38.42249	30621	0.5	1700	#N/A	#N/A	0	
URANIUM-238	60	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01057	THALLIUM-DISSOLVED-P01057-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	2	0.5	0	1	0.5	0.5	#N/A	#N/A	0	
URANIUM-238	60	THALLIUM	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P01059	THALLIUM-TOTAL-P01059-(UG/L AS TL)	0	#N/A	#N/A	#N/A	#N/A	#N/A	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	

VTAG	VTHRES	WTAG	MEDIUM	VARIABLE	VLABEL	WITH	WLABEL	VN	VMEAN	VSTD	VSUM	VMIN	VMAX	WN	WMEAN	WSTD	WSUM	WMIN	WMAX	CORR	PVALUE	CORRN	SIG
URANIUM-238	60	TURBIDITY	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P00076	TURBIDITY-P00076-(NTU)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	
URANIUM-238	60	WELL-DEPTH	SURFACE WATER	P22603	URANIUM 238-DISSOLVED-P22603-(PCI/L)	P72008	DEPTH OF WELL-P72008-(FEET)	0	#N/A	#N/A	#N/A	#N/A	#N/A	1	20.5	#N/A	20.5	20.5	20.5	#N/A	#N/A	0	
WELL-DEPTH	0	ALKALINITY	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P39036	ALKALINITY-D FE-P39036-(MG/L AS CACO3)	1	20.5	#N/A	20.5	20.5	20.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
WELL-DEPTH	0	CONDUCTANCE	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00095	SPECIFIC CONDUCT-P00095-(US/CM @ 25C)	1	20.5	#N/A	20.5	20.5	20.5	5930	220.8052	874.9516	1309375	3	38700	#N/A	#N/A	1	
WELL-DEPTH	0	DEPTH-BELOW-LAN	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P72019	DEPTH BELOW LAND-P72019-(FEET)	1	20.5	#N/A	20.5	20.5	20.5	0	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	0	
WELL-DEPTH	0	DISSOLVED-OXYGE	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00300	OXYGEN-DISSOLVED-P00300-(MG/L)	1	20.5	#N/A	20.5	20.5	20.5	2381	10.08867	2.848372	24021	0.5	15.9	#N/A	#N/A	0	
WELL-DEPTH	0	PH	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00400	PH WH-FIELD-P00400-(STANDARD UNITS)	1	20.5	#N/A	20.5	20.5	20.5	2481	7.19447	0.670099	17849	4	11.8	#N/A	#N/A	0	
WELL-DEPTH	0	TURBIDITY	SURFACE WATER	P72008	DEPTH OF WELL-P72008-(FEET)	P00076	TURBIDITY-P00076-(NTU)	1	20.5	#N/A	20.5	20.5	20.5	1376	2.723205	3.508161	3747.13	0.1	43	#N/A	#N/A	0	