



Analytical Methods Approved for Drinking Water Compliance Monitoring of Organic Contaminants

Analysis for the following organic contaminants shall be conducted in accordance with the methods in the following table, or their equivalent as determined by EPA. The methods and monitoring requirements for these contaminants are specified in 40 CFR 141.24. Additional methods are listed in Appendix A to Subpart C of Part 141.

The CFR is the legal reference for approved methods and takes precedence over this table. The table should accurately reflect the analytical methods information published in 40 CFR 141. If discrepancies are found, please notify the Safe Drinking Water Hotline (800-426-4791) so that EPA can correct the table.

1,1,1-Trichloroethane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

1,1,2-Trichloroethane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002
551.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

1,1-Dichloroethylene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>			

1,2-Dichlorobenzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

1,2,4-Trichlorobenzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Capillary Column Gas Chromatography/Mass Spectrometry</i>			
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

1,2-Dichloroethane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

1,2-Dichloropropane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

1,4-Dichlorobenzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

2,3,7,8-TCDD (Dioxin)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
1613	EPA	<i>Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope-Dilution HRGC/HRMS</i>	October 1994	EPA/821-B-94-005	National Environmental Methods Index

2,4,5-TP (Silvex)

Accurate determination of the chlorinated esters requires hydrolysis of the sample as described in the approved methods.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D5317-93	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1993		ASTM International
D5317-98	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1998		ASTM International
515.1, Rev. 4.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	EPA/600/4-88-039
515.2, Rev. 1.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
515.3, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index
515.4, Rev. 1.0	EPA	<i>Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection</i>	April 2000	EPA/815/B-00/001	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
555, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92/129	National Environmental Methods Index
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6640 B-01	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods
6640 B-06	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

2,4-D (as acid, salts and esters)

Accurate determination of the chlorinated esters requires hydrolysis of the sample as described in the approved methods.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D5317-93	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1993		ASTM International
D5317-98	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1998		ASTM International

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
515.1, Rev. 4.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	EPA/600/4-88-039
515.2, Rev. 1.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
515.3, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index
515.4, Rev. 1.0	EPA	<i>Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection</i>	April 2000	EPA/815/B-00/001	National Environmental Methods Index
555, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92/129	National Environmental Methods Index
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6640 B-01	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods
6640 B-06	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Alachlor

Note regarding EPA Methods 505, 507 and 508.1: Substitution of the detector specified in Methods 505, 507, or 508.1 for the purpose of achieving lower detection limits is allowed as follows – either an electron capture or nitrogen phosphorus detector may be used provided all regulatory requirements and quality control criteria are met.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
507, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Atrazine

Note regarding EPA Methods 505, 507 and 508.1: Substitution of the detector specified in Methods 505, 507, or 508.1 for the purpose of achieving lower detection limits is allowed as follows – either an electron capture or nitrogen phosphorus detector may be used provided all regulatory requirements and quality control criteria are met.

Note regarding Syngenta Method AG-625: This method may not be used for the analysis of atrazine in any system where chlorine dioxide is used for drinking water treatment. In samples from all other systems, any result for atrazine that is greater than one-half the MCL (i.e. greater than 1.5 µg/L) must be confirmed using another approved method for atrazine and should use additional volume of the original sample collected for compliance monitoring. In instances where a result from Syngenta Method AG-625 triggers such confirmatory testing, the confirmatory result is to be used to determine compliance.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
507, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
536	EPA	<i>Determination of Triazine Pesticides and their Degradates in Drinking Water by Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry (LC/ESI-MS/MS)</i>	October 2007	EPA 815-B-07-002	EPA 815-B-07-002
523	EPA	<i>Determination of Triazine Pesticides and their Degradates in Drinking Water by Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2011	EPA 815-R-11-002	EPA 815-R-11-002
Syngenta AG-625	Syngenta Crop Protection, Inc.	<i>Atrazine in Drinking Water by Immunoassay</i> See note under the “Atrazine” header above.	February 2001		National Environmental Methods Index

Benzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Benzo[a]pyrene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
550	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement I</i>	July 1990	EPA/600/4-90/020	National Environmental Methods Index
550.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement I</i>	July 1990	EPA/600/4-90/020	National Environmental Methods Index

Carbofuran

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
531.1, Rev. 3.1	EPA	<i>In Methods for the Determination of Organic Compound in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
531.2, Rev. 1.0	EPA	<i>Measurement of N-Methyl-carbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection HPLC with Post Column Derivatization</i>	September 2001	EPA 815/B/01/002	National Environmental Methods Index
6610 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6610 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6610 B-04	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Carbon Tetrachloride

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>			
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Chlordane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010

Chlorobenzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

cis-Dichloroethylene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Dalapon

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
515.1, Rev. 4.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	EPA/600/4-88-039
515.3, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index
515.4, Rev. 1.0	EPA	<i>Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection</i>	April 2000	EPA/815/B-00/001	National Environmental Methods Index
552.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92-129	National Environmental Methods Index
552.2, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
552.3, Rev. 1.0	EPA	<i>Determination of Haloacetic Acids and Dalapon in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Gas Chromatography with Electron Capture Detection</i>	July 2003	EPA 815-B-03-002	EPA 815-B-03-002
557	EPA	<i>Determination of Haloacetic Acids, Bromate, and Dalapon in Drinking Water by Ion Chromatography Electrospray Ionization Tandem Mass Spectrometry (IC-ESI-MS/MS)</i>	September 2009	EPA 815-B-09-012	National Environmental Methods Index
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6640 B-01	Standard Methods Online	Online version. Approval year is designated by the last 2 digits.			Standard Methods

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			
6640 B-06	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Di(2-ethylhexyl)adipate

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
506, Rev. 1.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010

Di(2-ethylhexyl)phthalate

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
506, Rev. 1.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010

Dibromochloropropane (DBCP)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
504.1, Rev. 1.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Dichloromethane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Dinoseb

Accurate determination of the chlorinated esters requires hydrolysis of the sample as described in the approved methods.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
515.1, Rev. 4.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	EPA/600/4-88-039
515.2, Rev. 1.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
515.3, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index
515.4, Rev. 1.0	EPA	<i>Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection</i>	April 2000	EPA/815/B-00/001	National Environmental Methods Index
555, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92/129	National Environmental Methods Index
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6640 B-01	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the			Standard Methods

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
6640 B-06	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Diquat

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
549.2, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index

Endothall

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
548.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water, Supplement II</i>	August 1992	EPA/600/R-92/129	National Environmental Methods Index

Endrin

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Ethylbenzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Ethylene Dibromide (EDB)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
504.1, Rev. 1.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Glyphosate

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
547	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement I</i>	July 1990	EPA/600/4-90/020	National Environmental Methods Index
6651	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 18th Edition</i>	1992		Standard Methods
6651	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 19th Edition</i>	1995		Standard Methods
6651	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 20th Edition</i>	1998		Standard Methods
6651 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6651 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6651 B-00	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to			Standard Methods

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		Subpart C of Part 141 are approved.			
6651 B-05	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Heptachlor

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Heptachlor Epoxide

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Hexachlorobenzene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Hexachlorocyclopentadiene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Lindane

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Methoxychlor

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Oxamyl

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
531.1, Rev. 3.1	EPA	<i>In Methods for the Determination of Organic Compound in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
531.2, Rev. 1.0	EPA	<i>Measurement of N-Methyl-carbamoyloximes and N-Methylcarbamates in Water by Direct Aqueous Injection HPLC with Post Column Derivatization</i>	September 2001	EPA 815/B/01/002	National Environmental Methods Index
6610 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6610 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6610 B-04	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

PCBs (as Arochlors)

PCBs are qualitatively identified as Arochlors and measured for compliance purposes as decachlorobiphenyl. Users of Method 505 may have more difficulty achieving the required detection levels than users of Methods 508.1, 525.2, 525.3 or 508.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010

PCBs (as decachlorobiphenyl)

PCBs are only measured for compliance purposes as decachlorobiphenyl.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
508A, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	National Environmental Methods Index

Pentachlorophenol

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D5317-93	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1993		ASTM International
D5317-98	ASTM International	<i>Standard Test Method for Determination of Chlorinated</i>	1998		ASTM International

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>			
515.1, Rev. 4.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	EPA/600/4-88-039
515.2, Rev. 1.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
515.3, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index
515.4, Rev. 1.0	EPA	<i>Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection</i>	April 2000	EPA/815/B-00/001	National Environmental Methods Index
525.2, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
555, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92/129	National Environmental Methods Index
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6640 B-01	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the			Standard Methods

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		regulations or in Appendix A to Subpart C of Part 141 are approved.			
6640 B-06	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Picloram

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
D5317-93	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1993		ASTM International
D5317-98	ASTM International	<i>Standard Test Method for Determination of Chlorinated Organic Acid Compounds in Water by Gas Chromatography with an Electron Capture Detector</i>	1998		ASTM International
515.1, Rev. 4.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water</i>	December 1988, Revised July 1991	EPA/600/4-88-039	EPA/600/4-88-039
515.2, Rev. 1.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
515.3, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic and Inorganic Compounds in Drinking Water, Volume I</i>	August 2000	EPA 815-R-00-014	National Environmental Methods Index
515.4, Rev. 1.0	EPA	<i>Determination of Chlorinated Acids in Drinking Water by Liquid-Liquid Microextraction, Derivatization, and Fast Gas Chromatography with Electron Capture Detection</i>	April 2000	EPA/815/B-00/001	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
555, Rev. 1.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement II</i>	August 1992	EPA/600/R-92/129	National Environmental Methods Index
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 21st Edition</i>	2005		Standard Methods
6640 B	Standard Methods	<i>Standard Methods for the Examination of Water and Wastewater, 22nd Edition</i>	2012		Standard Methods
6640 B-01	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods
6640 B-06	Standard Methods Online	Online version. Approval year is designated by the last 2 digits. Only online versions cited in the regulations or in Appendix A to Subpart C of Part 141 are approved.			Standard Methods

Simazine

Note regarding EPA Methods 505, 507 and 508.1: Substitution of the detector specified in Methods 505, 507, or 508.1 for the purpose of achieving lower detection limits is allowed as follows – either an electron capture or nitrogen phosphorus detector may be used provided all regulatory requirements and quality control criteria are met.

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
507, Rev. 2.1	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	In <i>Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
536	EPA	<i>Determination of Triazine Pesticides and their Degradates in Drinking Water by Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry (LC/ESI-MS/MS)</i>	October 2007	EPA 815-B-07-002	EPA 815-B-07-002
523	EPA	<i>Determination of Triazine Pesticides and their Degradates in Drinking Water by Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2011	EPA 815-R-11-002	EPA 815-R-11-002

Styrene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Tetrachloroethylene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Toluene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Toxaphene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
505, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508, Rev. 3.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
508.1, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.2, Rev. 2.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
525.3	EPA	<i>Determination of Semivolatile Organic Chemicals in Drinking Water by Solid Phase Extraction and Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS)</i>	February 2012	EPA/600/R-12/010	EPA/600/R-12/010

trans-Dichloroethylene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Trichloroethylene

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
		<i>Spectrometry using Nitrogen Purge Gas</i>			
551.1, Rev. 1.0	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Vinyl Chloride

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002

Xylenes (total)

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
502.2, Rev. 2.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index
524.2, Rev. 4.1	EPA	<i>In Methods for the Determination of Organic Compounds in Drinking Water – Supplement III</i>	August 1995	EPA/600/R-95-131	National Environmental Methods Index

Method	Organization	Reference Title	Date	EPA Publication Number	Source of Method
524.3	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry</i>	June 2009	EPA 815-B-09-009	EPA 815-B-09-009
524.4	EPA	<i>Measurement of Purgeable Organic Compounds in Water by Capillary Column Gas Chromatography/Mass Spectrometry using Nitrogen Purge Gas</i>	May 2013	EPA 815-R-13-002	EPA 815-R-13-002