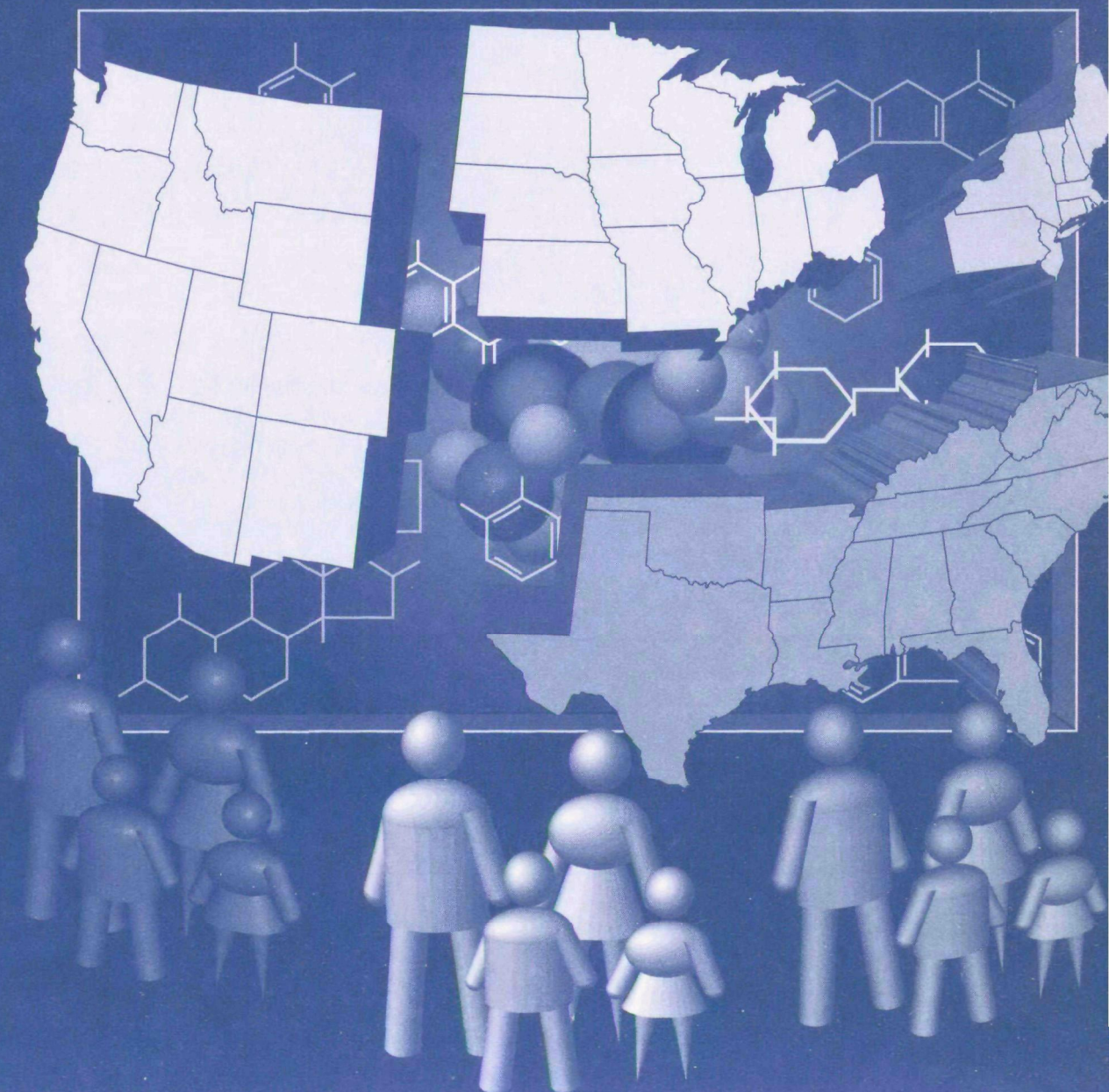




# SEMIVOLATILE ORGANIC COMPOUNDS IN THE GENERAL U.S. POPULATION: NHATS FY86 RESULTS

## VOLUME II: Appendices



**SEMIVOLATILE ORGANIC COMPOUNDS IN THE GENERAL U.S. POPULATION:  
NHATS FY86 RESULTS**

**VOLUME II: APPENDICES**

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## **APPENDIX A**

### **Listing of NHATS FY86 Composite Data**

Semivolatile organic compounds included in the following listing of lipid-adjusted concentrations are denoted by ID numbers. The ID numbers and their corresponding compound names are as follows:

| Compound #            | Compound Name              |
|-----------------------|----------------------------|
| <b>PESTICIDES</b>     |                            |
| 1                     | P,P-DDT                    |
| 2                     | O,P-DDT                    |
| 3                     | P,P-DDE (M/Z=288)          |
| 4                     | O,P-DDE                    |
| 5                     | O,P-DDD                    |
| 6                     | ALPHA-BHC                  |
| 7                     | BETA-BHC                   |
| 8                     | DELTA-BHC                  |
| 9                     | GAMMA-BHC (LINDANE)        |
| 10                    | ALDRIN                     |
| 11                    | HEPTACHLOR                 |
| 12                    | HEPTACHLOR EPOXIDE         |
| 13                    | OXYCHLORDANE               |
| 14                    | TRANS-NONACHLOR            |
| 15                    | GAMMA-CHLORDANE            |
| 16                    | MIREX                      |
| 60                    | DIELDRIN                   |
| 61                    | ENDRIN                     |
| 62                    | ENDRIN KETONE              |
| 300                   | P,P-DDE (M/Z=316)          |
| 600                   | DIELDRIN (CORRECTED)       |
| <b>CHLOROBENZENES</b> |                            |
| 17                    | 1,3-DICHLOROBENZENE        |
| 18                    | 1,4-DICHLOROBENZENE        |
| 19                    | 1,2-DICHLOROBENZENE        |
| 20                    | 1,2,3-TRICHLOROBENZENE     |
| 21                    | 1,2,4-TRICHLOROBENZENE     |
| 22                    | 1,3,5-TRICHLOROBENZENE     |
| 23                    | 1,2,3,4-TETRACHLOROBENZENE |
| 24                    | 1,2,3,5-TETRACHLOROBENZENE |
| 25                    | 1,2,4,5-TETRACHLOROBENZENE |
| 26                    | PENTACHLOROBENZENE         |
| 27                    | HEXACHLOROBENZENE          |
| <b>PAHs</b>           |                            |
| 41                    | NAPHTHALENE                |
| 42                    | ACENAPHTHALENE             |

Compound IDs and their corresponding compound names:

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| Compound #                  | Compound Name                      |
|-----------------------------|------------------------------------|
| <hr/>                       |                                    |
| <b>PAHs (cont.)</b>         |                                    |
| 43                          | ACENAPHTHENE                       |
| 44                          | FLUORENE                           |
| 45                          | PHENANTHRENE                       |
| 46                          | FLUORANTHENE                       |
| 47                          | PYRENE                             |
| 48                          | CHRYSENE                           |
| 49                          | BENZO (A) PYRENE                   |
| <b>PCBs</b>                 |                                    |
| 50                          | MONOCHLOROBIPHENYL                 |
| 51                          | DICHLOROBIPHENYL                   |
| 52                          | TRICHLOROBIPHENYL                  |
| 53                          | TETRACHLOROBIPHENYL                |
| 54                          | PENTACHLOROBIPHENYL                |
| 55                          | HEXACHLOROBIPHENYL                 |
| 56                          | HEPTACHLOROBIPHENYL                |
| 57                          | OCTACHLOROBIPHENYL                 |
| 58                          | NONACHLOROBIPHENYL                 |
| 59                          | DECACHLOROBIPHENYL                 |
| <b>PHTHALATE ESTERS</b>     |                                    |
| 63                          | DIMETHYL PHTHALATE                 |
| 64                          | DIETHYL PHTHALATE                  |
| 65                          | DI-N-BUTYL PHTHALATE               |
| 66                          | BUTYL BENZYL PHTHALATE             |
| 67                          | BIS (2-ETHYLHEXYL) PHTHALATE       |
| <b>PHOSPHATE TRIESTERS</b>  |                                    |
| 68                          | TRIBUTYL PHOSPHATE                 |
| 69                          | TRIS (2-CHLOROETHYL) PHOSPHATE     |
| 70                          | TRIS (2,3-DIBROMOPROPYL) PHOSPHATE |
| 71                          | TRIPHENYL PHOSPHATE                |
| 72                          | TRITOLYL PHOSPHATE                 |
| <b>OTHER (quantitative)</b> |                                    |
| 28                          | BIPHENYL                           |
| 29                          | 1,2-DIBROMO-3-CHLORO PROPANE       |
| 30                          | HEXACHLORO BUTADIENE               |

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Compound IDs and their corresponding compound names:

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| Compound #                                 | Compound Name                          |
|--------------------------------------------|----------------------------------------|
| <b>OTHER (quantitative) (cont.)</b>        |                                        |
| 31                                         | HEXACHLORO CYCLOPENTADIENE             |
| 32                                         | 2,2',4',5-TETRABROMO BIPHENYL          |
| 33                                         | O-CYMENE                               |
| 34                                         | D-LIMONENE                             |
| 35                                         | D,L-ISOBORNEOL                         |
| 36                                         | 1-INDANONE                             |
| 37                                         | 2-INDANONE                             |
| 38                                         | BUTYLATED HYDROXYTOLUENE               |
| 39                                         | COUMARIN                               |
| 40                                         | OCTAMETHYL-CYCLOTETRASILOXANE          |
| 73                                         | ETHYL HYDROCINNAMATE                   |
| 74                                         | 2-METHOXY-3-METHYLPYRAZINE             |
| 75                                         | 2,2',4,4',5-PENTACHLORO DIPHENYL ETHER |
| 76                                         | 4-CHLORO-P-TERPHENYL                   |
| 77                                         | TRICHLORO-P-TERPHENYL                  |
| 78                                         | 2-PHENYL PHENOL                        |
| <b>PESTICIDES (qualitative)</b>            |                                        |
| 85                                         | ISOPHORONE                             |
| 86                                         | DICHLOROVOS                            |
| 98                                         | CHLORPYRIFOS                           |
| 99                                         | ISOPROPALIN                            |
| 100                                        | BUTACHLOR                              |
| 101                                        | NITROFEN                               |
| 102                                        | PERTHANE                               |
| 106                                        | DICOFOL                                |
| 107                                        | P.P'-METHOXYCHLOR                      |
| <b>CHLORINATED AROMATICS (qualitative)</b> |                                        |
| 88                                         | 2,4,6-TRICHLOROANISOLE                 |
| 89                                         | 2,4,6-TRICHLOROPHENOL                  |
| 90                                         | 2,4,5-TRICHLOROPHENOL                  |
| 91                                         | 2,3,6-TRICHLOROANISOLE                 |
| 92                                         | 2,3,6-TRICHLOROPHENOL                  |
| 95                                         | PENTACHLOROANISOLE                     |
| 96                                         | PENTACHLORONITROBENZENE                |
| 97                                         | 2,3,4-TRICHLOROANISOLE                 |
| 110                                        | OCTACHLORONAPHTHALENE                  |

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Compound IDs and their corresponding compound names:

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| Compound #                 | Compound Name              |
|----------------------------|----------------------------|
| <b>PAHs (qualitative)</b>  |                            |
| 105                        | BENZO (A) ANTHRACENE       |
| 108                        | BENZO (B) FLUORANTHENE     |
| 109                        | BENZO (K) FLUORANTHENE     |
| 111                        | DIBENZO (A,H) ANTHRACENE   |
| <b>OTHER (qualitative)</b> |                            |
| 79                         | 1-NONENE                   |
| 80                         | CUMENE                     |
| 81                         | 1,2,4-TRIMETHYLBENZENE     |
| 82                         | HEXYL ACETATE              |
| 83                         | 1,3-DIETHYLBENZENE         |
| 84                         | 1,4-DIETHYLBENZENE         |
| 87                         | QUINOLINE                  |
| 93                         | DIBENZOFURAN               |
| 94                         | CHLORDANE                  |
| 103                        | CHLOROBENZYLATE            |
| 104                        | BIS (2-ETHYLHEXYL) ADIPATE |

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**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Pesticides**

|                     |                  |                    | Compound # (see page A-1) |                    |                    |                    |                   |                    |                    |                    |                    |  |  |
|---------------------|------------------|--------------------|---------------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--|--|
| Lab #/Samp. #/Batch | 1                | 2                  | 3                         | 4                  | 5                  | 6                  | 7                 | 8                  | 9                  | 10                 | 11                 |  |  |
| 17903 ACS8600387 1  | 90.2             | 5.75 <sup>n</sup>  | 1490                      | 7.2 <sup>n</sup>   | 7.1 <sup>n</sup>   | 5.8 <sup>n</sup>   | 154               | 6.45 <sup>n</sup>  | 118                | 9.3 <sup>n</sup>   | 12.55 <sup>n</sup> |  |  |
| 17905 ACS8600298 1  | 138              | 5.95 <sup>n</sup>  | 1470                      | 7.5 <sup>n</sup>   | 7.4 <sup>n</sup>   | 6 <sup>n</sup>     | 146               | 6.75 <sup>n</sup>  | 6.45 <sup>n</sup>  | 6.25 <sup>n</sup>  | 6 <sup>n</sup>     |  |  |
| 17906 ACS8600467 1  | 88               | 6.85 <sup>n</sup>  | 963                       | 8.65 <sup>n</sup>  | 8.5 <sup>n</sup>   | 6.9 <sup>n</sup>   | 61                | 7.75 <sup>n</sup>  | 7.4 <sup>n</sup>   | 7.2 <sup>n</sup>   | 6.9 <sup>n</sup>   |  |  |
| 17908 ACS8600378 1  | 64.4             | 6.15 <sup>n</sup>  | 1090                      | 7.7 <sup>n</sup>   | 7.6 <sup>n</sup>   | 6.2 <sup>n</sup>   | 32.5              | 6.9 <sup>n</sup>   | 6.65 <sup>n</sup>  | 6.4 <sup>n</sup>   | 6.15 <sup>n</sup>  |  |  |
| 17909 ACS8600092 1  | 457              | 6.9 <sup>n</sup>   | 4180                      | 8.65 <sup>n</sup>  | 8.5 <sup>n</sup>   | 6.95 <sup>n</sup>  | 326               | 7.75 <sup>n</sup>  | 7.45 <sup>n</sup>  | 7.2 <sup>n</sup>   | 6.95 <sup>n</sup>  |  |  |
| 17910 ACS8600449 1  | 30.6             | 7.7 <sup>n</sup>   | 617                       | 9.7 <sup>n</sup>   | 9.5 <sup>n</sup>   | 7.75 <sup>n</sup>  | 20.1 <sup>t</sup> | 8.65 <sup>n</sup>  | 8.3 <sup>n</sup>   | 8.05 <sup>n</sup>  | 7.75 <sup>n</sup>  |  |  |
| 17911 ACS8600412 1  | 21.3             | 7.7 <sup>n</sup>   | 2690                      | 9.7 <sup>n</sup>   | 9.5 <sup>n</sup>   | 7.75 <sup>n</sup>  | 161               | 8.65 <sup>n</sup>  | 8.3 <sup>n</sup>   | 8.05 <sup>n</sup>  | 600 <sup>n</sup>   |  |  |
| 17912 ACS8600485 1  | 6.2 <sup>n</sup> | 6.55 <sup>n</sup>  | 2270                      | 8.25 <sup>n</sup>  | 8.1 <sup>n</sup>   | 6.6 <sup>n</sup>   | 403               | 7.35 <sup>n</sup>  | 7.1 <sup>n</sup>   | 6.85 <sup>n</sup>  | 6.6 <sup>n</sup>   |  |  |
| 17913 ACS8600136 1  | 40.9             | 7.7 <sup>n</sup>   | 291                       | 9.7 <sup>n</sup>   | 9.55 <sup>n</sup>  | 7.8 <sup>n</sup>   | 49.7              | 8.7 <sup>n</sup>   | 38.84              | 8.1 <sup>n</sup>   | 7.75 <sup>n</sup>  |  |  |
| 17914 ACS8600396 1  | 114              | 6.85 <sup>n</sup>  | 2500                      | 8.6 <sup>n</sup>   | 8.45 <sup>n</sup>  | 6.9 <sup>n</sup>   | 284               | 7.7 <sup>n</sup>   | 7.4 <sup>n</sup>   | 7.15 <sup>n</sup>  | 6.9 <sup>n</sup>   |  |  |
| 17916 ACS8600154 2  | 129              | 5.75 <sup>n</sup>  | 2280                      | 7.25 <sup>n</sup>  | 7.15 <sup>n</sup>  | 5.8 <sup>n</sup>   | 234               | 6.5 <sup>n</sup>   | 6.25 <sup>n</sup>  | 6.15 <sup>n</sup>  | 8.95 <sup>n</sup>  |  |  |
| 17919 ACS8600289 2  | 244              | 6.95 <sup>n</sup>  | 3000                      | 8.75 <sup>n</sup>  | 8.6 <sup>n</sup>   | 7 <sup>n</sup>     | 237               | 7.8 <sup>n</sup>   | 7.5 <sup>n</sup>   | 7.3 <sup>n</sup>   | 10.3 <sup>n</sup>  |  |  |
| 17921 ACS8600430 2  | 562              | 5.95 <sup>n</sup>  | 2530                      | 7.45 <sup>n</sup>  | 7.35 <sup>n</sup>  | 6 <sup>n</sup>     | 250               | 6.7 <sup>n</sup>   | 6.4 <sup>n</sup>   | 6.2 <sup>n</sup>   | 5.95 <sup>n</sup>  |  |  |
| 17922 ACS8600270 2  | 1470             | 6.95 <sup>n</sup>  | 1680                      | 8.75 <sup>n</sup>  | 8.6 <sup>n</sup>   | 7 <sup>n</sup>     | 7.6 <sup>n</sup>  | 7.85 <sup>n</sup>  | 7.55 <sup>n</sup>  | 7.3 <sup>n</sup>   | 7 <sup>n</sup>     |  |  |
| 17923 ACS8600494 2  | 42.1             | 16.2 <sup>n</sup>  | 710                       | 20.4 <sup>n</sup>  | 20 <sup>n</sup>    | 16.3 <sup>n</sup>  | 17.7 <sup>n</sup> | 18.25 <sup>n</sup> | 17.5 <sup>n</sup>  | 16.95 <sup>n</sup> | 16.3 <sup>n</sup>  |  |  |
| 17924 ACS8600421 2  | 160              | 6.8 <sup>n</sup>   | 2060                      | 8.55 <sup>n</sup>  | 8.4 <sup>n</sup>   | 6.85 <sup>n</sup>  | 474               | 7.65 <sup>n</sup>  | 7.35 <sup>n</sup>  | 7.15 <sup>n</sup>  | 6.85 <sup>n</sup>  |  |  |
| 17925 ACS8600458 2  | 113              | 6.5 <sup>n</sup>   | 1640                      | 8.15 <sup>n</sup>  | 8.05 <sup>n</sup>  | 6.55 <sup>n</sup>  | 93.7              | 7.3 <sup>n</sup>   | 7 <sup>n</sup>     | 6.8 <sup>n</sup>   | 6.55 <sup>n</sup>  |  |  |
| 17926 ACS8600252 2  | 572              | 5.65 <sup>n</sup>  | 7140                      | 7.15 <sup>n</sup>  | 7 <sup>n</sup>     | 5.7 <sup>n</sup>   | 308               | 6.4 <sup>n</sup>   | 6.1 <sup>n</sup>   | 5.95 <sup>n</sup>  | 5.7 <sup>n</sup>   |  |  |
| 17927 ACS8600029 2  | 161              | 7.7 <sup>n</sup>   | 887                       | 9.7 <sup>n</sup>   | 9.55 <sup>n</sup>  | 7.8 <sup>n</sup>   | 354               | 8.7 <sup>n</sup>   | 8.35 <sup>n</sup>  | 8.1 <sup>n</sup>   | 7.75 <sup>n</sup>  |  |  |
| 17928 ACS8600476 2  | 715              | 6.65 <sup>n</sup>  | 3030                      | 8.35 <sup>n</sup>  | 8.2 <sup>n</sup>   | 6.7 <sup>n</sup>   | 266               | 7.5 <sup>n</sup>   | 7.15 <sup>n</sup>  | 6.95 <sup>n</sup>  | 6.7 <sup>n</sup>   |  |  |
| 17930 ACS8600074 3  | 427              | 3.27 <sup>n</sup>  | 1820                      | 4.12 <sup>n</sup>  | 4.045 <sup>n</sup> | 3.3 <sup>n</sup>   | 514               | 3.685 <sup>n</sup> | 3.54 <sup>n</sup>  | 3.43 <sup>n</sup>  | 3.295 <sup>n</sup> |  |  |
| 17931 ACS8600190 3  | 109              | 3.185 <sup>n</sup> | 1350                      | 4.01 <sup>n</sup>  | 3.94 <sup>n</sup>  | 3.21 <sup>n</sup>  | 114               | 3.59 <sup>n</sup>  | 3.445 <sup>n</sup> | 3.34 <sup>n</sup>  | 3.205 <sup>n</sup> |  |  |
| 17932 ACS8600038 3  | 252              | 2.725 <sup>n</sup> | 1040                      | 3.43 <sup>n</sup>  | 3.37 <sup>n</sup>  | 2.745 <sup>n</sup> | 285               | 3.07 <sup>n</sup>  | 2.945 <sup>n</sup> | 2.855 <sup>n</sup> | 2.74 <sup>n</sup>  |  |  |
| 17934 ACS8600172 3  | 48.1             | 5.8 <sup>n</sup>   | 1140                      | 7.3 <sup>n</sup>   | 7.15 <sup>n</sup>  | 5.85 <sup>n</sup>  | 66.7              | 6.5 <sup>n</sup>   | 6.25 <sup>n</sup>  | 6.05 <sup>n</sup>  | 5.8 <sup>n</sup>   |  |  |
| 17935 ACS8600519 3  | 167              | 2.81 <sup>n</sup>  | 2320                      | 3.54 <sup>n</sup>  | 3.48 <sup>n</sup>  | 2.835 <sup>n</sup> | 462               | 3.17 <sup>n</sup>  | 3.04 <sup>n</sup>  | 2.95 <sup>n</sup>  | 2.83 <sup>n</sup>  |  |  |
| 17937 ACS8600369 3  | 143              | 3.895 <sup>n</sup> | 1580                      | 4.91 <sup>n</sup>  | 4.82 <sup>n</sup>  | 3.93 <sup>n</sup>  | 319               | 4.395 <sup>n</sup> | 4.215 <sup>n</sup> | 4.085 <sup>n</sup> | 3.925 <sup>n</sup> |  |  |
| 17938 ACS8600323 3  | 707              | 3.46 <sup>n</sup>  | 3060                      | 4.355 <sup>n</sup> | 4.28 <sup>n</sup>  | 3.49 <sup>n</sup>  | 344               | 3.9 <sup>n</sup>   | 3.74 <sup>n</sup>  | 3.625 <sup>n</sup> | 3.48 <sup>n</sup>  |  |  |
| 17939 ACS8600225 3  | 173              | 35.75 <sup>n</sup> | 545                       | 45 <sup>n</sup>    | 44.2 <sup>n</sup>  | 36.05 <sup>n</sup> | 39.1 <sup>n</sup> | 40.3 <sup>n</sup>  | 38.65 <sup>n</sup> | 37.5 <sup>n</sup>  | 36 <sup>n</sup>    |  |  |
| 17942 ACS8600065 3  | 65.5             | 3.08 <sup>n</sup>  | 796                       | 3.88 <sup>n</sup>  | 3.81 <sup>n</sup>  | 3.105 <sup>n</sup> | 53.8              | 3.47 <sup>n</sup>  | 3.33 <sup>n</sup>  | 3.23 <sup>n</sup>  | 3.1 <sup>n</sup>   |  |  |
| 17944 ACS8600243 4  | 135              | 2.94 <sup>n</sup>  | 4460                      | 3.7 <sup>n</sup>   | 3.635 <sup>n</sup> | 2.965 <sup>n</sup> | 192               | 3.315 <sup>n</sup> | 3.18 <sup>n</sup>  | 3.08 <sup>n</sup>  | 2.96 <sup>n</sup>  |  |  |
| 17946 ACS8600163 4  | 501              | 3.1 <sup>n</sup>   | 11100                     | 3.905 <sup>n</sup> | 3.835 <sup>n</sup> | 3.13 <sup>n</sup>  | 349               | 3.495 <sup>n</sup> | 3.355 <sup>n</sup> | 3.25 <sup>n</sup>  | 3.12 <sup>n</sup>  |  |  |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Pesticides (cont.)**

|                     |   |  | Compound # (see page A-1) |                     |       |                    |                    |                    |                   |                     |                     |                     |                     |
|---------------------|---|--|---------------------------|---------------------|-------|--------------------|--------------------|--------------------|-------------------|---------------------|---------------------|---------------------|---------------------|
| Lab #/Samp. #/Batch |   |  | 1                         | 2                   | 3     | 4                  | 5                  | 6                  | 7                 | 8                   | 9                   | 10                  | 11                  |
| 17947 ACS8600500    | 4 |  | 13.2                      | 3.07 <sup>n</sup>   | 2290  | 3.87 <sup>n</sup>  | 3.8 <sup>n</sup>   | 3.1 <sup>n</sup>   | 224               | 3.46 <sup>n</sup>   | 3.32 <sup>n</sup>   | 3.22 <sup>n</sup>   | 3.09 <sup>n</sup>   |
| 17948 ACS8600350    | 4 |  | 114                       | 3.15 <sup>n</sup>   | 3660  | 3.965 <sup>n</sup> | 3.895 <sup>n</sup> | 3.175 <sup>n</sup> | 181               | 3.55 <sup>n</sup>   | 3.405 <sup>n</sup>  | 3.3 <sup>n</sup>    | 3.17 <sup>n</sup>   |
| 17949 ACS8600216    | 4 |  | 588                       | 3.165 <sup>n</sup>  | 7110  | 3.985 <sup>n</sup> | 3.915 <sup>n</sup> | 3.19 <sup>n</sup>  | 581               | 3.565 <sup>n</sup>  | 3.42 <sup>n</sup>   | 3.315 <sup>n</sup>  | 3.185 <sup>n</sup>  |
| 17951 ACS8600261    | 4 |  | 75.5                      | 3.88 <sup>n</sup>   | 1110  | 4.885 <sup>n</sup> | 4.8 <sup>n</sup>   | 3.91 <sup>n</sup>  | 207               | 4.37 <sup>n</sup>   | 4.195 <sup>n</sup>  | 4.065 <sup>n</sup>  | 3.905 <sup>n</sup>  |
| 17953 ACS8600305    | 4 |  | 2.94 <sup>n</sup>         | 3.775 <sup>n</sup>  | 442   | 4.755 <sup>n</sup> | 4.67 <sup>n</sup>  | 3.81 <sup>n</sup>  | 4.13 <sup>n</sup> | 4.255 <sup>n</sup>  | 4.085 <sup>n</sup>  | 3.96 <sup>n</sup>   | 3.8 <sup>n</sup>    |
| 17955 ACS8600145    | 4 |  | 8.07                      | 3.315 <sup>n</sup>  | 2210  | 4.175 <sup>n</sup> | 4.105 <sup>n</sup> | 3.345 <sup>n</sup> | 45.1              | 3.74 <sup>n</sup>   | 3.585 <sup>n</sup>  | 3.48 <sup>n</sup>   | 3.34 <sup>n</sup>   |
| 17956 ACS8600118    | 4 |  | 7.19                      | 2.7805 <sup>n</sup> | 4880  | 3.502 <sup>n</sup> | 3.44 <sup>n</sup>  | 2.805 <sup>n</sup> | 233               | 3.1345 <sup>n</sup> | 3.0075 <sup>n</sup> | 2.9155 <sup>n</sup> | 2.7995 <sup>n</sup> |
| 17958 ACS8600341    | 5 |  | 562                       | 3.02 <sup>n</sup>   | 11400 | 3.8 <sup>n</sup>   | 3.735 <sup>n</sup> | 3.045 <sup>n</sup> | 296               | 3.4 <sup>n</sup>    | 3.265 <sup>n</sup>  | 3.165 <sup>n</sup>  | 3.04 <sup>n</sup>   |
| 17959 ACS8600127    | 5 |  | 306                       | 3.005 <sup>n</sup>  | 5410  | 3.78 <sup>n</sup>  | 3.715 <sup>n</sup> | 3.03 <sup>n</sup>  | 279               | 3.385 <sup>n</sup>  | 3.25 <sup>n</sup>   | 3.15 <sup>n</sup>   | 3.025 <sup>n</sup>  |
| 17960 ACS8600181    | 5 |  | 164                       | 3.125 <sup>n</sup>  | 3790  | 3.935 <sup>n</sup> | 3.915 <sup>n</sup> | 3.155 <sup>n</sup> | 150               | 3.525 <sup>n</sup>  | 3.38 <sup>n</sup>   | 3.28 <sup>n</sup>   | 3.145 <sup>n</sup>  |
| 17962 ACS8600083    | 5 |  | 156                       | 2.85 <sup>n</sup>   | 3450  | 3.59 <sup>n</sup>  | 3.53 <sup>n</sup>  | 2.875 <sup>n</sup> | 155               | 3.215 <sup>n</sup>  | 3.085 <sup>n</sup>  | 2.99 <sup>n</sup>   | 2.87 <sup>n</sup>   |
| 17965 ACS8600332    | 5 |  | 240                       | 3.11 <sup>n</sup>   | 8340  | 3.915 <sup>n</sup> | 3.845 <sup>n</sup> | 3.135 <sup>n</sup> | 418               | 3.505 <sup>n</sup>  | 3.365 <sup>n</sup>  | 3.26 <sup>n</sup>   | 3.13 <sup>n</sup>   |
| 17967 ACS8600109    | 5 |  | 117                       | 2.945 <sup>n</sup>  | 2960  | 3.71 <sup>n</sup>  | 3.645 <sup>n</sup> | 2.97 <sup>n</sup>  | 188               | 3.32 <sup>n</sup>   | 3.185 <sup>n</sup>  | 3.09 <sup>n</sup>   | 2.965 <sup>n</sup>  |
| 17968 ACS8600207    | 5 |  | 437                       | 3.205 <sup>n</sup>  | 7330  | 4.035 <sup>n</sup> | 3.965 <sup>n</sup> | 3.235 <sup>n</sup> | 256               | 3.615 <sup>n</sup>  | 3.465 <sup>n</sup>  | 3.36 <sup>n</sup>   | 3.225 <sup>n</sup>  |
| 17969 ACS8600047    | 5 |  | 130                       | 2.905 <sup>n</sup>  | 2050  | 3.66 <sup>n</sup>  | 3.595 <sup>n</sup> | 2.93 <sup>n</sup>  | 101               | 3.275 <sup>n</sup>  | 3.14 <sup>n</sup>   | 3.045 <sup>n</sup>  | 2.925 <sup>n</sup>  |
| 17970 ACS8600234    | 5 |  | 124                       | 2.975 <sup>n</sup>  | 2300  | 3.75 <sup>n</sup>  | 3.68 <sup>n</sup>  | 3 <sup>n</sup>     | 105               | 3.355 <sup>n</sup>  | 3.22 <sup>n</sup>   | 3.12 <sup>n</sup>   | 2.995 <sup>n</sup>  |
| 17986 ACS8600314    | 3 |  | 128                       | 3.295 <sup>n</sup>  | 6320  | 4.15 <sup>n</sup>  | 4.075 <sup>n</sup> | 3.325 <sup>n</sup> | 107               | 3.715 <sup>n</sup>  | 3.565 <sup>n</sup>  | 3.455 <sup>n</sup>  | 3.315 <sup>n</sup>  |
| 17987 ACS8600056    | 5 |  | 64.6                      | 2.93 <sup>n</sup>   | 1150  | 3.69 <sup>n</sup>  | 3.625 <sup>n</sup> | 2.955 <sup>n</sup> | 206               | 3.305 <sup>n</sup>  | 3.17 <sup>n</sup>   | 3.075 <sup>n</sup>  | 2.95 <sup>n</sup>   |
| 17988 ACS8600403    | 4 |  | 172                       | 3.105 <sup>n</sup>  | 2630  | 3.915 <sup>n</sup> | 3.845 <sup>n</sup> | 3.135 <sup>n</sup> | 118               | 3.505 <sup>n</sup>  | 3.36 <sup>n</sup>   | 3.26 <sup>n</sup>   | 3.13 <sup>n</sup>   |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Pesticides (cont.)**

Compound # (see page A-1)

| Lab #/Samp. #/Batch |            |   | 12                 | 13                 | 14                 | 15                 | 16                 | 60                 | 61                 | 62                 | 300   | 600                |
|---------------------|------------|---|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------|--------------------|
| 17903               | ACS8600387 | 1 | 46.7               | 6.65 <sup>n</sup>  | 163                | 5.7 <sup>n</sup>   | 22.6               | 27 <sup>n</sup>    | 33.45 <sup>n</sup> | 19.6 <sup>n</sup>  | 1370  | 27 <sup>n</sup>    |
| 17905               | ACS8600298 | 1 | 44.9               | 352                | 92                 | 5.9 <sup>n</sup>   | 5.8 <sup>n</sup>   | 28.05 <sup>n</sup> | 34.8 <sup>n</sup>  | 20.35 <sup>n</sup> | 1460  | 48.9               |
| 17906               | ACS8600467 | 1 | 45.5               | 7.95 <sup>n</sup>  | 49.3               | 6.8 <sup>n</sup>   | 6.65 <sup>n</sup>  | 32.25 <sup>n</sup> | 39.95 <sup>n</sup> | 23.4 <sup>n</sup>  | 1530  | 43.7               |
| 17908               | ACS8600378 | 1 | 28.6               | 7.1 <sup>n</sup>   | 5.95 <sup>n</sup>  | 6.05 <sup>n</sup>  | 5.95 <sup>n</sup>  | 28.8 <sup>n</sup>  | 35.7 <sup>n</sup>  | 20.9 <sup>n</sup>  | 1030  | 33.6               |
| 17909               | ACS8600092 | 1 | 122                | 7.95 <sup>n</sup>  | 54.5               | 6.8 <sup>n</sup>   | 51.6               | 96.8               | 40.1 <sup>n</sup>  | 23.5 <sup>n</sup>  | 2650  | 96.8               |
| 17910               | ACS8600449 | 1 | 41.6               | 8.9 <sup>n</sup>   | 7.45 <sup>n</sup>  | 7.6 <sup>n</sup>   | 7.45 <sup>n</sup>  | 36.15 <sup>n</sup> | 44.8 <sup>n</sup>  | 26.25 <sup>n</sup> | 564   | 36.15 <sup>n</sup> |
| 17911               | ACS8600412 | 1 | 84.3               | 133                | 218                | 7.6 <sup>n</sup>   | 7.45 <sup>n</sup>  | 36.15 <sup>n</sup> | 44.8 <sup>n</sup>  | 26.25 <sup>n</sup> | 2570  | 36.15 <sup>n</sup> |
| 17912               | ACS8600485 | 1 | 111                | 7.55 <sup>n</sup>  | 37                 | 6.5 <sup>n</sup>   | 6.35 <sup>n</sup>  | 30.8 <sup>n</sup>  | 38.15 <sup>n</sup> | 22.35 <sup>n</sup> | 2240  | 30.8 <sup>n</sup>  |
| 17913               | ACS8600136 | 1 | 7.35 <sup>n</sup>  | 8.9 <sup>n</sup>   | 60.2               | 7.65 <sup>n</sup>  | 7.5 <sup>n</sup>   | 36.3 <sup>n</sup>  | 45 <sup>n</sup>    | 66.7 <sup>i</sup>  | 273   | 36.3 <sup>n</sup>  |
| 17914               | ACS8600396 | 1 | 45.8               | 7.9 <sup>n</sup>   | 136                | 6.75 <sup>n</sup>  | 33.5               | 32.15 <sup>n</sup> | 39.8 <sup>n</sup>  | 23.3 <sup>n</sup>  | 2310  | 47.3               |
| 17916               | ACS8600154 | 2 | 125                | 168                | 5.6 <sup>n</sup>   | 5.7 <sup>n</sup>   | 24.4               | 54.5 <sup>n</sup>  | 67.5 <sup>n</sup>  | 39.4 <sup>n</sup>  | 2120  | 54.5 <sup>n</sup>  |
| 17919               | ACS8600289 | 2 | 82.9               | 183                | 444                | 6.9 <sup>n</sup>   | 28.2               | 94.1               | 40.45 <sup>n</sup> | 23.7 <sup>n</sup>  | 2750  | 94.1               |
| 17921               | ACS8600430 | 2 | 106                | 159                | 238                | 5.9 <sup>n</sup>   | 23.7               | 114                | 34.6 <sup>n</sup>  | 20.25 <sup>n</sup> | 1660  | 114                |
| 17922               | ACS8600270 | 2 | 6.6 <sup>n</sup>   | 223                | 117                | 6.9 <sup>n</sup>   | 6.75 <sup>n</sup>  | 32.75 <sup>n</sup> | 40.55 <sup>n</sup> | 23.75 <sup>n</sup> | 1600  | 32.75 <sup>n</sup> |
| 17923               | ACS8600494 | 2 | 66.4               | 42.6               | 62.1               | 16.05 <sup>n</sup> | 15.75 <sup>n</sup> | 76 <sup>n</sup>    | 94.5 <sup>n</sup>  | 55 <sup>n</sup>    | 673   | 76 <sup>n</sup>    |
| 17924               | ACS8600421 | 2 | 118                | 182                | 219                | 6.75 <sup>n</sup>  | 16.4               | 74.2               | 39.65 <sup>n</sup> | 23.2 <sup>n</sup>  | 1920  | 74.2               |
| 17925               | ACS8600458 | 2 | 93.8               | 143                | 163                | 6.45 <sup>n</sup>  | 19                 | 255                | 37.85 <sup>n</sup> | 22.15 <sup>n</sup> | 1510  | 255                |
| 17926               | ACS8600252 | 2 | 93.7               | 209                | 362                | 5.6 <sup>n</sup>   | 5.5 <sup>n</sup>   | 53 <sup>n</sup>    | 66 <sup>n</sup>    | 38.65 <sup>n</sup> | 6690  | 53 <sup>n</sup>    |
| 17927               | ACS8600029 | 2 | 26.5               | 84.5               | 49                 | 7.65 <sup>n</sup>  | 7.5 <sup>n</sup>   | 72.5 <sup>n</sup>  | 90 <sup>n</sup>    | 52.5 <sup>n</sup>  | 878   | 72.5 <sup>n</sup>  |
| 17928               | ACS8600476 | 2 | 172                | 212                | 322                | 6.55 <sup>n</sup>  | 29                 | 62.5 <sup>n</sup>  | 77.5 <sup>n</sup>  | 45.3 <sup>n</sup>  | 2380  | 62.5 <sup>n</sup>  |
| 17930               | ACS8600074 | 3 | 102                | 168                | 206                | 3.24 <sup>n</sup>  | 31.1               | 92.5 <sup>n</sup>  | 114.5 <sup>n</sup> | 67 <sup>n</sup>    | 943   | 92.5 <sup>n</sup>  |
| 17931               | ACS8600190 | 3 | 54.7               | 95.9               | 95.1               | 3.155 <sup>n</sup> | 14.8               | 29.95 <sup>n</sup> | 37.1 <sup>n</sup>  | 21.75 <sup>n</sup> | 1200  | 12 <sup>i</sup>    |
| 17932               | ACS8600038 | 3 | 84.3               | 183                | 18                 | 2.7 <sup>n</sup>   | 17.4               | 77 <sup>n</sup>    | 95.5 <sup>n</sup>  | 56 <sup>n</sup>    | 538   | 77 <sup>n</sup>    |
| 17934               | ACS8600172 | 3 | 50.3               | 46.7 <sup>i</sup>  | 79.1               | 5.75 <sup>n</sup>  | 5.6 <sup>n</sup>   | 54.5 <sup>n</sup>  | 67.5 <sup>n</sup>  | 39.5 <sup>n</sup>  | 1130  | 7.77 <sup>i</sup>  |
| 17935               | ACS8600519 | 3 | 194                | 140                | 159                | 2.785 <sup>n</sup> | 2.735 <sup>n</sup> | 26.45 <sup>n</sup> | 32.8 <sup>n</sup>  | 19.2 <sup>n</sup>  | 1130  | 37.7               |
| 17937               | ACS8600369 | 3 | 51.1               | 4.505 <sup>n</sup> | 89                 | 3.865 <sup>n</sup> | 3.79 <sup>n</sup>  | 36.7 <sup>n</sup>  | 45.45 <sup>n</sup> | 26.6 <sup>n</sup>  | 1550  | 36.7 <sup>n</sup>  |
| 17938               | ACS8600323 | 3 | 82.3               | 181                | 203                | 3.43 <sup>n</sup>  | 3.365 <sup>n</sup> | 65 <sup>n</sup>    | 80.5 <sup>n</sup>  | 47.25 <sup>n</sup> | 2000  | 9.2 <sup>i</sup>   |
| 17939               | ACS8600225 | 3 | 33.95 <sup>n</sup> | 41.35 <sup>n</sup> | 34.75 <sup>n</sup> | 35.45 <sup>n</sup> | 34.75 <sup>n</sup> | 336.5 <sup>n</sup> | 417 <sup>n</sup>   | 244 <sup>n</sup>   | 534   | 336.5 <sup>n</sup> |
| 17942               | ACS8600065 | 3 | 25.2               | 38.6               | 48.8               | 3.05 <sup>n</sup>  | 2.995 <sup>n</sup> | 28.95 <sup>n</sup> | 35.9 <sup>n</sup>  | 21 <sup>n</sup>    | 785   | 20                 |
| 17944               | ACS8600243 | 4 | 119                | 190                | 207                | 2.915 <sup>n</sup> | 2.86 <sup>n</sup>  | 83 <sup>n</sup>    | 103 <sup>n</sup>   | 60 <sup>n</sup>    | 4730  | 25.4               |
| 17946               | ACS8600163 | 4 | 218                | 366                | 612                | 3.075 <sup>n</sup> | 22.4               | 87.5 <sup>n</sup>  | 108.5 <sup>n</sup> | 63.5 <sup>n</sup>  | 12900 | 40.6               |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Pesticides (cont.)**

Compound # (see page A-1)

| Lab #/Samp. #/Batch |            |   | 12   | 13                 | 14   | 15                  | 16                 | 60                 | 61                 | 62                 | 300   | 600                |
|---------------------|------------|---|------|--------------------|------|---------------------|--------------------|--------------------|--------------------|--------------------|-------|--------------------|
| 17947               | ACS8600500 | 4 | 77.4 | 108                | 173  | 3.04 <sup>a</sup>   | 40.7               | 28.9 <sup>a</sup>  | 35.8 <sup>a</sup>  | 20.95 <sup>a</sup> | 2070  | 47.9               |
| 17948               | ACS8600350 | 4 | 64.4 | 142                | 143  | 3.12 <sup>a</sup>   | 3.065 <sup>a</sup> | 59.5 <sup>a</sup>  | 73.5 <sup>a</sup>  | 43 <sup>a</sup>    | 3460  | 27.8 <sup>t</sup>  |
| 17949               | ACS8600216 | 4 | 83.8 | 96.1               | 172  | 3.135 <sup>a</sup>  | 3.075 <sup>a</sup> | 89.5 <sup>a</sup>  | 110.5 <sup>a</sup> | 65 <sup>a</sup>    | 7240  | 21.1               |
| 17951               | ACS8600261 | 4 | 37.3 | 4.485 <sup>a</sup> | 75.3 | 3.845 <sup>a</sup>  | 3.775 <sup>a</sup> | 157                | 90.5 <sup>a</sup>  | 53 <sup>a</sup>    | 1000  | 157                |
| 17953               | ACS8600305 | 4 | 11.5 | 152                | 57.2 | 3.745 <sup>a</sup>  | 3.675 <sup>a</sup> | 35.55 <sup>a</sup> | 44 <sup>a</sup>    | 25.8 <sup>a</sup>  | 382   | 35.55 <sup>a</sup> |
| 17955               | ACS8600145 | 4 | 103  | 186                | 227  | 3.29 <sup>a</sup>   | 31.4               | 62.5 <sup>a</sup>  | 77.5 <sup>a</sup>  | 45.3 <sup>a</sup>  | 2020  | 7.91 <sup>t</sup>  |
| 17956               | ACS8600118 | 4 | 173  | 202                | 269  | 2.7565 <sup>a</sup> | 2.705 <sup>a</sup> | 78.5 <sup>a</sup>  | 97.5 <sup>a</sup>  | 57 <sup>a</sup>    | 4570  | 78.5 <sup>a</sup>  |
| 17958               | ACS8600341 | 5 | 66.2 | 140                | 218  | 2.99 <sup>a</sup>   | 2.935 <sup>a</sup> | 85 <sup>a</sup>    | 105.5 <sup>a</sup> | 62 <sup>a</sup>    | 14300 | 7.41 <sup>t</sup>  |
| 17959               | ACS8600127 | 5 | 131  | 216                | 256  | 2.975 <sup>a</sup>  | 2.92 <sup>a</sup>  | 85 <sup>a</sup>    | 105 <sup>a</sup>   | 61.5 <sup>a</sup>  | 6390  | 22.3 <sup>t</sup>  |
| 17960               | ACS8600181 | 5 | 95.6 | 157                | 325  | 3.1 <sup>a</sup>    | 3.04 <sup>a</sup>  | 29.4 <sup>a</sup>  | 36.45 <sup>a</sup> | 21.35 <sup>a</sup> | 3790  | 29.4 <sup>a</sup>  |
| 17962               | ACS8600083 | 5 | 140  | 160                | 256  | 2.825 <sup>a</sup>  | 2.775 <sup>a</sup> | 80.5 <sup>a</sup>  | 100 <sup>a</sup>   | 58.5 <sup>a</sup>  | 3260  | 37.3               |
| 17965               | ACS8600332 | 5 | 71.5 | 180                | 239  | 3.08 <sup>a</sup>   | 3.025 <sup>a</sup> | 58.5 <sup>a</sup>  | 72.5 <sup>a</sup>  | 42.45 <sup>a</sup> | 8890  | 58.5 <sup>a</sup>  |
| 17967               | ACS8600109 | 5 | 80.7 | 118                | 122  | 2.92 <sup>a</sup>   | 2.865 <sup>a</sup> | 55.5 <sup>a</sup>  | 68.5 <sup>a</sup>  | 40.2 <sup>a</sup>  | 2980  | 35.9               |
| 17968               | ACS8600207 | 5 | 119  | 175                | 350  | 3.175 <sup>a</sup>  | 9.7 <sup>t</sup>   | 90.5 <sup>a</sup>  | 112 <sup>a</sup>   | 65.5 <sup>a</sup>  | 7600  | 24.6 <sup>t</sup>  |
| 17969               | ACS8600047 | 5 | 73   | 92.3               | 114  | 2.88 <sup>a</sup>   | 2.825 <sup>a</sup> | 54.5 <sup>a</sup>  | 67.5 <sup>a</sup>  | 39.65 <sup>a</sup> | 2010  | 35.7               |
| 17970               | ACS8600234 | 5 | 49.5 | 108                | 147  | 2.95 <sup>a</sup>   | 2.895 <sup>a</sup> | 84 <sup>a</sup>    | 104 <sup>a</sup>   | 61 <sup>a</sup>    | 2240  | 9.67 <sup>t</sup>  |
| 17986               | ACS8600314 | 3 | 45.7 | 63.9               | 72   | 3.265 <sup>a</sup>  | 3.205 <sup>a</sup> | 62 <sup>a</sup>    | 77 <sup>a</sup>    | 45 <sup>a</sup>    | 6190  | 8.58 <sup>t</sup>  |
| 17987               | ACS8600056 | 5 | 79.7 | 94.8               | 88.4 | 2.905 <sup>a</sup>  | 2.85 <sup>a</sup>  | 55 <sup>a</sup>    | 68.5 <sup>a</sup>  | 40.05 <sup>a</sup> | 1080  | 21.1 <sup>t</sup>  |
| 17988               | ACS8600403 | 4 | 81.1 | 140                | 167  | 3.08 <sup>a</sup>   | 3.025 <sup>a</sup> | 58.5 <sup>a</sup>  | 72.5 <sup>a</sup>  | 42.45 <sup>a</sup> | 2560  | 30.2               |

<sup>a</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Chlorobenzenes**

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                    |                    |                    |                    |                    |                    |                   |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
| Lab #/Samp. #/Batch |   |  | 17                        | 18                 | 19                 | 20                 | 21                 | 22                 | 23                 | 24                 | 25                 | 26                 | 27                |
| 17903 ACS8600387    | 1 |  | 5.35 <sup>n</sup>         | 52.2               | 5.3 <sup>n</sup>   | 6.2 <sup>n</sup>   | 5.35 <sup>n</sup>  | 5.8 <sup>n</sup>   | 6.15 <sup>n</sup>  | 6.1 <sup>n</sup>   | 5.65 <sup>n</sup>  | 5.3 <sup>n</sup>   | 36                |
| 17905 ACS8600298    | 1 |  | 5.5 <sup>n</sup>          | 32.3               | 5.5 <sup>n</sup>   | 6.45 <sup>n</sup>  | 5.55 <sup>n</sup>  | 6.05 <sup>n</sup>  | 6.4 <sup>n</sup>   | 6.35 <sup>n</sup>  | 5.9 <sup>n</sup>   | 5.5 <sup>n</sup>   | 54.2              |
| 17906 ACS8600467    | 1 |  | 6.35 <sup>n</sup>         | 5.7 <sup>n</sup>   | 6.35 <sup>n</sup>  | 7.4 <sup>n</sup>   | 6.4 <sup>n</sup>   | 6.95 <sup>n</sup>  | 7.35 <sup>n</sup>  | 7.3 <sup>n</sup>   | 6.75 <sup>n</sup>  | 6.35 <sup>n</sup>  | 24.8              |
| 17908 ACS8600378    | 1 |  | 5.65 <sup>n</sup>         | 120                | 5.65 <sup>n</sup>  | 6.6 <sup>n</sup>   | 5.7 <sup>n</sup>   | 6.2 <sup>n</sup>   | 6.55 <sup>n</sup>  | 6.5 <sup>n</sup>   | 6.05 <sup>n</sup>  | 5.65 <sup>n</sup>  | 15.9              |
| 17909 ACS8600092    | 1 |  | 6.35 <sup>n</sup>         | 240                | 6.35 <sup>n</sup>  | 7.4 <sup>n</sup>   | 6.4 <sup>n</sup>   | 7 <sup>n</sup>     | 7.35 <sup>n</sup>  | 7.3 <sup>n</sup>   | 6.8 <sup>n</sup>   | 6.35 <sup>n</sup>  | 76                |
| 17910 ACS8600449    | 1 |  | 7.1 <sup>n</sup>          | 43.7               | 7.1 <sup>n</sup>   | 8.3 <sup>n</sup>   | 7.15 <sup>n</sup>  | 7.8 <sup>n</sup>   | 8.25 <sup>n</sup>  | 8.15 <sup>n</sup>  | 7.6 <sup>n</sup>   | 7.1 <sup>n</sup>   | 15.9 <sup>t</sup> |
| 17911 ACS8600412    | 1 |  | 7.1 <sup>n</sup>          | 245                | 7.1 <sup>n</sup>   | 8.3 <sup>n</sup>   | 7.15 <sup>n</sup>  | 7.8 <sup>n</sup>   | 8.25 <sup>n</sup>  | 8.15 <sup>n</sup>  | 7.6 <sup>n</sup>   | 7.1 <sup>n</sup>   | 36.7              |
| 17912 ACS8600485    | 1 |  | 6.05 <sup>n</sup>         | 5.45 <sup>n</sup>  | 6.05 <sup>n</sup>  | 7.05 <sup>n</sup>  | 6.1 <sup>n</sup>   | 6.65 <sup>n</sup>  | 7 <sup>n</sup>     | 6.95 <sup>n</sup>  | 6.45 <sup>n</sup>  | 6.05 <sup>n</sup>  | 50.7              |
| 17913 ACS8600136    | 1 |  | 7.15 <sup>n</sup>         | 6.45 <sup>n</sup>  | 7.15 <sup>n</sup>  | 8.3 <sup>n</sup>   | 7.2 <sup>n</sup>   | 7.85 <sup>n</sup>  | 8.25 <sup>n</sup>  | 8.2 <sup>n</sup>   | 7.6 <sup>n</sup>   | 7.15 <sup>n</sup>  | 17.9 <sup>t</sup> |
| 17914 ACS8600396    | 1 |  | 6.3 <sup>n</sup>          | 113                | 6.3 <sup>n</sup>   | 7.35 <sup>n</sup>  | 6.35 <sup>n</sup>  | 6.95 <sup>n</sup>  | 7.3 <sup>n</sup>   | 7.25 <sup>n</sup>  | 6.75 <sup>n</sup>  | 6.3 <sup>n</sup>   | 32.8              |
| 17916 ACS8600154    | 2 |  | 5.35 <sup>n</sup>         | 25.7               | 5.35 <sup>n</sup>  | 6.2 <sup>n</sup>   | 5.35 <sup>n</sup>  | 5.85 <sup>n</sup>  | 6.2 <sup>n</sup>   | 6.15 <sup>n</sup>  | 5.7 <sup>n</sup>   | 5.35 <sup>n</sup>  | 43.9              |
| 17919 ACS8600289    | 2 |  | 6.4 <sup>n</sup>          | 165                | 6.4 <sup>n</sup>   | 7.5 <sup>n</sup>   | 6.45 <sup>n</sup>  | 7.05 <sup>n</sup>  | 7.45 <sup>n</sup>  | 7.35 <sup>n</sup>  | 6.85 <sup>n</sup>  | 6.4 <sup>n</sup>   | 53.2              |
| 17921 ACS8600430    | 2 |  | 5.5 <sup>n</sup>          | 195                | 5.5 <sup>n</sup>   | 6.4 <sup>n</sup>   | 5.5 <sup>n</sup>   | 6 <sup>n</sup>     | 6.35 <sup>n</sup>  | 6.3 <sup>n</sup>   | 5.85 <sup>n</sup>  | 5.5 <sup>n</sup>   | 31.6              |
| 17922 ACS8600270    | 2 |  | 6.45 <sup>n</sup>         | 5.8 <sup>n</sup>   | 6.45 <sup>n</sup>  | 7.5 <sup>n</sup>   | 6.5 <sup>n</sup>   | 7.05 <sup>n</sup>  | 7.45 <sup>n</sup>  | 7.4 <sup>n</sup>   | 6.85 <sup>n</sup>  | 6.45 <sup>n</sup>  | 44.8              |
| 17923 ACS8600494    | 2 |  | 14.95 <sup>n</sup>        | 152                | 14.95 <sup>n</sup> | 17.45 <sup>n</sup> | 15.05 <sup>n</sup> | 16.4 <sup>n</sup>  | 17.35 <sup>n</sup> | 17.2 <sup>n</sup>  | 15.95 <sup>n</sup> | 14.95 <sup>n</sup> | 35.9              |
| 17924 ACS8600421    | 2 |  | 6.3 <sup>n</sup>          | 68.2               | 6.3 <sup>n</sup>   | 7.35 <sup>n</sup>  | 6.35 <sup>n</sup>  | 6.9 <sup>n</sup>   | 7.3 <sup>n</sup>   | 7.2 <sup>n</sup>   | 6.7 <sup>n</sup>   | 6.3 <sup>n</sup>   | 62.2              |
| 17925 ACS8600458    | 2 |  | 6 <sup>n</sup>            | 125                | 6 <sup>n</sup>     | 7 <sup>n</sup>     | 6.05 <sup>n</sup>  | 6.6 <sup>n</sup>   | 6.95 <sup>n</sup>  | 6.9 <sup>n</sup>   | 6.4 <sup>n</sup>   | 6 <sup>n</sup>     | 43.7              |
| 17926 ACS8600252    | 2 |  | 5.25 <sup>n</sup>         | 12.6               | 5.25 <sup>n</sup>  | 6.1 <sup>n</sup>   | 5.25 <sup>n</sup>  | 5.75 <sup>n</sup>  | 6.05 <sup>n</sup>  | 6 <sup>n</sup>     | 5.6 <sup>n</sup>   | 5.25 <sup>n</sup>  | 92.8              |
| 17927 ACS8600029    | 2 |  | 7.15 <sup>n</sup>         | 92.1               | 7.15 <sup>n</sup>  | 8.3 <sup>n</sup>   | 7.2 <sup>n</sup>   | 7.8 <sup>n</sup>   | 8.25 <sup>n</sup>  | 8.2 <sup>n</sup>   | 7.6 <sup>n</sup>   | 7.15 <sup>n</sup>  | 20.3              |
| 17928 ACS8600476    | 2 |  | 6.15 <sup>n</sup>         | 77.3               | 6.15 <sup>n</sup>  | 7.15 <sup>n</sup>  | 6.15 <sup>n</sup>  | 6.75 <sup>n</sup>  | 7.1 <sup>n</sup>   | 7.05 <sup>n</sup>  | 6.55 <sup>n</sup>  | 6.15 <sup>n</sup>  | 77.3              |
| 17930 ACS8600074    | 3 |  | 3.025 <sup>n</sup>        | 115                | 3.025 <sup>n</sup> | 3.525 <sup>n</sup> | 3.045 <sup>n</sup> | 3.32 <sup>n</sup>  | 3.505 <sup>n</sup> | 3.475 <sup>n</sup> | 3.23 <sup>n</sup>  | 3.025 <sup>n</sup> | 58                |
| 17931 ACS8600190    | 3 |  | 2.94 <sup>n</sup>         | 14.2               | 2.945 <sup>n</sup> | 3.43 <sup>n</sup>  | 2.965 <sup>n</sup> | 3.23 <sup>n</sup>  | 3.41 <sup>n</sup>  | 3.38 <sup>n</sup>  | 3.145 <sup>n</sup> | 2.94 <sup>n</sup>  | 34.5              |
| 17932 ACS8600038    | 3 |  | 2.515 <sup>n</sup>        | 102                | 2.52 <sup>n</sup>  | 2.935 <sup>n</sup> | 2.535 <sup>n</sup> | 2.76 <sup>n</sup>  | 2.92 <sup>n</sup>  | 2.89 <sup>n</sup>  | 2.69 <sup>n</sup>  | 2.515 <sup>n</sup> | 47.3              |
| 17934 ACS8600172    | 3 |  | 5.35 <sup>n</sup>         | 32.6               | 5.35 <sup>n</sup>  | 6.25 <sup>n</sup>  | 5.4 <sup>n</sup>   | 5.85 <sup>n</sup>  | 6.2 <sup>n</sup>   | 6.15 <sup>n</sup>  | 5.7 <sup>n</sup>   | 5.35 <sup>n</sup>  | 38.9              |
| 17935 ACS8600519    | 3 |  | 2.6 <sup>n</sup>          | 48                 | 2.6 <sup>n</sup>   | 3.03 <sup>n</sup>  | 2.62 <sup>n</sup>  | 2.855 <sup>n</sup> | 3.015 <sup>n</sup> | 2.985 <sup>n</sup> | 2.775 <sup>n</sup> | 2.6 <sup>n</sup>   | 47.6              |
| 17937 ACS8600369    | 3 |  | 3.6 <sup>n</sup>          | 220                | 3.605 <sup>n</sup> | 4.2 <sup>n</sup>   | 3.63 <sup>n</sup>  | 3.955 <sup>n</sup> | 4.18 <sup>n</sup>  | 4.14 <sup>n</sup>  | 3.85 <sup>n</sup>  | 3.6 <sup>n</sup>   | 29.5              |
| 17938 ACS8600323    | 3 |  | 3.195 <sup>n</sup>        | 34.4               | 3.2 <sup>n</sup>   | 3.73 <sup>n</sup>  | 3.22 <sup>n</sup>  | 3.51 <sup>n</sup>  | 3.71 <sup>n</sup>  | 3.675 <sup>n</sup> | 3.415 <sup>n</sup> | 3.195 <sup>n</sup> | 96.3              |
| 17939 ACS8600225    | 3 |  | 33.05 <sup>n</sup>        | 29.85 <sup>n</sup> | 33.05 <sup>n</sup> | 38.5 <sup>n</sup>  | 33.3 <sup>n</sup>  | 36.25 <sup>n</sup> | 38.3 <sup>n</sup>  | 37.95 <sup>n</sup> | 35.3 <sup>n</sup>  | 33.05 <sup>n</sup> | 34.1 <sup>n</sup> |
| 17942 ACS8600065    | 3 |  | 2.845 <sup>n</sup>        | 2.57 <sup>n</sup>  | 2.85 <sup>n</sup>  | 3.32 <sup>n</sup>  | 2.865 <sup>n</sup> | 3.125 <sup>n</sup> | 3.3 <sup>n</sup>   | 3.27 <sup>n</sup>  | 3.04 <sup>n</sup>  | 2.845 <sup>n</sup> | 15                |
| 17944 ACS8600243    | 4 |  | 2.715 <sup>n</sup>        | 8.18               | 2.72 <sup>n</sup>  | 3.17 <sup>n</sup>  | 2.735 <sup>n</sup> | 2.98 <sup>n</sup>  | 3.15 <sup>n</sup>  | 3.12 <sup>n</sup>  | 2.905 <sup>n</sup> | 2.715 <sup>n</sup> | 50.7              |
| 17946 ACS8600163    | 4 |  | 2.865 <sup>n</sup>        | 85.3               | 2.87 <sup>n</sup>  | 3.34 <sup>n</sup>  | 2.885 <sup>n</sup> | 3.145 <sup>n</sup> | 3.325 <sup>n</sup> | 3.295 <sup>n</sup> | 3.06 <sup>n</sup>  | 2.865 <sup>n</sup> | 68.4              |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Chlorobenzenes (cont.)**

|                     |            |   | Compound # (see page A-1) |                    |                     |                    |                     |                    |                     |                     |                     |                    |      |
|---------------------|------------|---|---------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|------|
| Lab #/Samp. #/Batch |            |   | 17                        | 18                 | 19                  | 20                 | 21                  | 22                 | 23                  | 24                  | 25                  | 26                 | 27   |
| 17947               | ACS8600500 | 4 | 2.84 <sup>n</sup>         | 28                 | 2.84 <sup>n</sup>   | 3.31 <sup>n</sup>  | 2.86 <sup>n</sup>   | 3.115 <sup>n</sup> | 3.29 <sup>n</sup>   | 3.26 <sup>n</sup>   | 3.03 <sup>n</sup>   | 2.84 <sup>n</sup>  | 34.9 |
| 17948               | ACS8600350 | 4 | 2.91 <sup>n</sup>         | 54.6               | 2.915 <sup>n</sup>  | 3.395 <sup>n</sup> | 2.93 <sup>n</sup>   | 3.195 <sup>n</sup> | 3.375 <sup>n</sup>  | 3.345 <sup>n</sup>  | 3.11 <sup>n</sup>   | 2.91 <sup>n</sup>  | 199  |
| 17949               | ACS8600216 | 4 | 2.925 <sup>n</sup>        | 279                | 2.925 <sup>n</sup>  | 3.41 <sup>n</sup>  | 2.945 <sup>n</sup>  | 3.205 <sup>n</sup> | 3.39 <sup>n</sup>   | 3.36 <sup>n</sup>   | 3.125 <sup>n</sup>  | 2.925 <sup>n</sup> | 69.6 |
| 17951               | ACS8600261 | 4 | 3.585 <sup>n</sup>        | 14                 | 8.2 <sup>n</sup>    | 4.18 <sup>n</sup>  | 3.61 <sup>n</sup>   | 3.935 <sup>n</sup> | 4.16 <sup>n</sup>   | 4.12 <sup>n</sup>   | 3.83 <sup>n</sup>   | 3.585 <sup>n</sup> | 36.4 |
| 17953               | ACS8600305 | 4 | 3.49 <sup>n</sup>         | 29.5               | 3.495 <sup>n</sup>  | 4.07 <sup>n</sup>  | 3.515 <sup>n</sup>  | 3.83 <sup>n</sup>  | 4.045 <sup>n</sup>  | 4.01 <sup>n</sup>   | 3.73 <sup>n</sup>   | 3.49 <sup>n</sup>  | 35.2 |
| 17955               | ACS8600145 | 4 | 3.065 <sup>n</sup>        | 60                 | 3.07 <sup>n</sup>   | 3.575 <sup>n</sup> | 3.09 <sup>n</sup>   | 3.365 <sup>n</sup> | 3.555 <sup>n</sup>  | 3.525 <sup>n</sup>  | 3.275 <sup>n</sup>  | 3.065 <sup>n</sup> | 33.3 |
| 17956               | ACS8600118 | 4 | 2.57 <sup>n</sup>         | 87.5               | 2.5725 <sup>n</sup> | 2.997 <sup>n</sup> | 2.5885 <sup>n</sup> | 2.821 <sup>n</sup> | 2.9805 <sup>n</sup> | 2.9535 <sup>n</sup> | 2.7455 <sup>n</sup> | 2.57 <sup>n</sup>  | 70.7 |
| 17958               | ACS8600341 | 5 | 2.79 <sup>n</sup>         | 10.9               | 2.79 <sup>n</sup>   | 3.255 <sup>n</sup> | 2.81 <sup>n</sup>   | 3.06 <sup>n</sup>  | 3.235 <sup>n</sup>  | 3.205 <sup>n</sup>  | 2.98 <sup>n</sup>   | 2.79 <sup>n</sup>  | 84.6 |
| 17959               | ACS8600127 | 5 | 2.775 <sup>n</sup>        | 52.5               | 2.78 <sup>n</sup>   | 3.235 <sup>n</sup> | 2.795 <sup>n</sup>  | 3.045 <sup>n</sup> | 3.22 <sup>n</sup>   | 3.19 <sup>n</sup>   | 2.965 <sup>n</sup>  | 2.775 <sup>n</sup> | 74.7 |
| 17960               | ACS8600181 | 5 | 2.89 <sup>n</sup>         | 30.1               | 2.89 <sup>n</sup>   | 3.37 <sup>n</sup>  | 2.91 <sup>n</sup>   | 3.17 <sup>n</sup>  | 3.35 <sup>n</sup>   | 3.32 <sup>n</sup>   | 3.085 <sup>n</sup>  | 2.99 <sup>n</sup>  | 45.2 |
| 17962               | ACS8600083 | 5 | 2.635 <sup>n</sup>        | 247                | 2.64 <sup>n</sup>   | 3.075 <sup>n</sup> | 2.655 <sup>n</sup>  | 2.895 <sup>n</sup> | 3.055 <sup>n</sup>  | 3.03 <sup>n</sup>   | 2.815 <sup>n</sup>  | 2.635 <sup>n</sup> | 52.7 |
| 17965               | ACS8600332 | 5 | 2.875 <sup>n</sup>        | 174                | 2.875 <sup>n</sup>  | 3.35 <sup>n</sup>  | 2.895 <sup>n</sup>  | 3.155 <sup>n</sup> | 3.33 <sup>n</sup>   | 3.3 <sup>n</sup>    | 3.07 <sup>n</sup>   | 2.875 <sup>n</sup> | 96.5 |
| 17967               | ACS8600109 | 5 | 2.72 <sup>n</sup>         | 33.1               | 2.725 <sup>n</sup>  | 3.175 <sup>n</sup> | 2.74 <sup>n</sup>   | 2.985 <sup>n</sup> | 3.155 <sup>n</sup>  | 3.13 <sup>n</sup>   | 2.905 <sup>n</sup>  | 2.72 <sup>n</sup>  | 53.7 |
| 17968               | ACS8600207 | 5 | 2.96 <sup>n</sup>         | 28.5               | 2.965 <sup>n</sup>  | 3.455 <sup>n</sup> | 2.985 <sup>n</sup>  | 3.25 <sup>n</sup>  | 3.435 <sup>n</sup>  | 3.405 <sup>n</sup>  | 3.165 <sup>n</sup>  | 2.96 <sup>n</sup>  | 183  |
| 17969               | ACS8600047 | 5 | 2.685 <sup>n</sup>        | 150                | 2.685 <sup>n</sup>  | 3.13 <sup>n</sup>  | 2.705 <sup>n</sup>  | 2.945 <sup>n</sup> | 3.115 <sup>n</sup>  | 3.085 <sup>n</sup>  | 2.87 <sup>n</sup>   | 2.685 <sup>n</sup> | 40.2 |
| 17970               | ACS8600234 | 5 | 2.75 <sup>n</sup>         | 2.485 <sup>n</sup> | 2.755 <sup>n</sup>  | 3.205 <sup>n</sup> | 2.77 <sup>n</sup>   | 3.02 <sup>n</sup>  | 3.19 <sup>n</sup>   | 3.16 <sup>n</sup>   | 2.94 <sup>n</sup>   | 2.75 <sup>n</sup>  | 42.6 |
| 17986               | ACS8600314 | 3 | 3.045 <sup>n</sup>        | 12.6               | 3.05 <sup>n</sup>   | 3.55 <sup>n</sup>  | 3.065 <sup>n</sup>  | 3.345 <sup>n</sup> | 3.53 <sup>n</sup>   | 3.5 <sup>n</sup>    | 3.255 <sup>n</sup>  | 3.045 <sup>n</sup> | 127  |
| 17987               | ACS8600056 | 5 | 2.71 <sup>n</sup>         | 35.3               | 2.71 <sup>n</sup>   | 3.16 <sup>n</sup>  | 2.73 <sup>n</sup>   | 2.975 <sup>n</sup> | 3.14 <sup>n</sup>   | 3.115 <sup>n</sup>  | 2.895 <sup>n</sup>  | 2.71 <sup>n</sup>  | 35.2 |
| 17988               | ACS8600403 | 4 | 2.87 <sup>n</sup>         | 114                | 2.875 <sup>n</sup>  | 3.35 <sup>n</sup>  | 2.895 <sup>n</sup>  | 3.155 <sup>n</sup> | 3.33 <sup>n</sup>   | 3.3 <sup>n</sup>    | 3.07 <sup>n</sup>   | 2.87 <sup>n</sup>  | 35.3 |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Phthalate Esters**

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                   |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|-------------------|
| Lab #/Samp. #/Batch |   |  | 63                        | 64                 | 65                 | 66                 | 67                |
| 17903 ACS8600387    | 1 |  | 6.25 <sup>n</sup>         | 58.9               | 28.8               | 19.1 <sup>t</sup>  | 5.55 <sup>n</sup> |
| 17905 ACS8600298    | 1 |  | 6.5 <sup>n</sup>          | 6.4 <sup>n</sup>   | 17 <sup>t</sup>    | 25                 | 85.8              |
| 17906 ACS8600467    | 1 |  | 7.45 <sup>n</sup>         | 7.35 <sup>n</sup>  | 31.4 <sup>t</sup>  | 77.9               | 284               |
| 17908 ACS8600378    | 1 |  | 6.65 <sup>n</sup>         | 6.55 <sup>n</sup>  | 25.4               | 53.5               | 164               |
| 17909 ACS8600092    | 1 |  | 7.45 <sup>n</sup>         | 7.4 <sup>n</sup>   | 20.1               | 13.7 <sup>t</sup>  | 118               |
| 17910 ACS8600449    | 1 |  | 8.35 <sup>n</sup>         | 8.25 <sup>n</sup>  | 17.9 <sup>t</sup>  | 35.1               | 185               |
| 17911 ACS8600412    | 1 |  | 8.35 <sup>n</sup>         | 119                | 23                 | 41.2               | 122               |
| 17912 ACS8600485    | 1 |  | 7.1 <sup>n</sup>          | 7 <sup>n</sup>     | 831                | 30.6               | 26700             |
| 17913 ACS8600136    | 1 |  | 8.4 <sup>n</sup>          | 27.7 <sup>t</sup>  | 120                | 85.8               | 1500              |
| 17914 ACS8600396    | 1 |  | 7.4 <sup>n</sup>          | 7.35 <sup>n</sup>  | 6.05 <sup>n</sup>  | 6.7 <sup>n</sup>   | 1328              |
| 17916 ACS8600154    | 2 |  | 12.55 <sup>n</sup>        | 12.4 <sup>n</sup>  | 41.7               | 93.9               | 31.6              |
| 17919 ACS8600289    | 2 |  | 7.55 <sup>n</sup>         | 7.45 <sup>n</sup>  | 41.1               | 42.4               | 246               |
| 17921 ACS8600430    | 2 |  | 6.45 <sup>n</sup>         | 6.35 <sup>n</sup>  | 5.25 <sup>n</sup>  | 5.8 <sup>n</sup>   | 505               |
| 17922 ACS8600270    | 2 |  | 7.55 <sup>n</sup>         | 27.8               | 114                | 142                | 1180              |
| 17923 ACS8600494    | 2 |  | 17.6 <sup>n</sup>         | 17.35 <sup>n</sup> | 110                | 221                | 5640              |
| 17924 ACS8600421    | 2 |  | 7.4 <sup>n</sup>          | 7.3 <sup>n</sup>   | 82.1               | 102                | 67.9              |
| 17925 ACS8600458    | 2 |  | 7.05 <sup>n</sup>         | 6.95 <sup>n</sup>  | 41.4               | 84.3               | 795               |
| 17926 ACS8600252    | 2 |  | 12.3 <sup>n</sup>         | 12.15 <sup>n</sup> | 119                | 59.5               | 1980              |
| 17927 ACS8600029    | 2 |  | 16.75 <sup>n</sup>        | 16.55 <sup>n</sup> | 107                | 111                | 467               |
| 17928 ACS8600476    | 2 |  | 14.4 <sup>n</sup>         | 14.25 <sup>n</sup> | 82.9               | 79.1               | 178               |
| 17930 ACS8600074    | 3 |  | 21.3 <sup>n</sup>         | 21.05 <sup>n</sup> | 17.35 <sup>n</sup> | 19.25 <sup>n</sup> | 91.2              |
| 17931 ACS8600190    | 3 |  | 6.9 <sup>n</sup>          | 6.85 <sup>n</sup>  | 18.5               | 12.9               | 25.7              |
| 17932 ACS8600038    | 3 |  | 17.75 <sup>n</sup>        | 17.55 <sup>n</sup> | 14.45 <sup>n</sup> | 16 <sup>n</sup>    | 49.7              |
| 17934 ACS8600172    | 3 |  | 12.55 <sup>n</sup>        | 12.4 <sup>n</sup>  | 56.2               | 57.4               | 32.6              |
| 17935 ACS8600519    | 3 |  | 6.1 <sup>n</sup>          | 6.05 <sup>n</sup>  | 24.6               | 24.8               | 102               |
| 17937 ACS8600369    | 3 |  | 8.45 <sup>n</sup>         | 8.35 <sup>n</sup>  | 30.5               | 59.6               | 208               |
| 17938 ACS8600323    | 3 |  | 15.05 <sup>n</sup>        | 14.85 <sup>n</sup> | 12.2 <sup>n</sup>  | 13.55 <sup>n</sup> | 117               |
| 17939 ACS8600225    | 3 |  | 77.5 <sup>n</sup>         | 76.5 <sup>n</sup>  | 132                | 157                | 7120              |
| 17942 ACS8600065    | 3 |  | 6.7 <sup>n</sup>          | 6.6 <sup>n</sup>   | 21.7               | 24                 | 63.2              |
| 17944 ACS8600243    | 4 |  | 19.15 <sup>n</sup>        | 18.9 <sup>n</sup>  | 15.6 <sup>n</sup>  | 17.3 <sup>n</sup>  | 67.1              |
| 17946 ACS8600163    | 4 |  | 20.2 <sup>n</sup>         | 19.95 <sup>n</sup> | 60.8               | 114                | 18.1 <sup>n</sup> |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Phthalate Esters (cont.)**

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 63                        | 64                 | 65                 | 66                 | 67                 |
| 17947 ACS8600500    | 4 |  | 6.65 <sup>n</sup>         | 6.6 <sup>n</sup>   | 67.3               | 63.9               | 5.95 <sup>n</sup>  |
| 17948 ACS8600350    | 4 |  | 13.7 <sup>n</sup>         | 13.5 <sup>n</sup>  | 49.8               | 34.1               | 49.2               |
| 17949 ACS8600216    | 4 |  | 20.6 <sup>n</sup>         | 20.35 <sup>n</sup> | 65                 | 141                | 146                |
| 17951 ACS8600261    | 4 |  | 16.85 <sup>n</sup>        | 16.65 <sup>n</sup> | 88.7               | 79                 | 15.1 <sup>n</sup>  |
| 17953 ACS8600305    | 4 |  | 8.2 <sup>n</sup>          | 27.6               | 107                | 148                | 18.2               |
| 17955 ACS8600145    | 4 |  | 14.4 <sup>n</sup>         | 14.25 <sup>n</sup> | 113                | 214                | 31.5               |
| 17956 ACS8600118    | 4 |  | 18.15 <sup>n</sup>        | 17.9 <sup>n</sup>  | 47                 | 50.5               | 38.5               |
| 17958 ACS8600341    | 5 |  | 19.7 <sup>n</sup>         | 19.45 <sup>n</sup> | 16 <sup>n</sup>    | 17.75 <sup>n</sup> | 17.6 <sup>n</sup>  |
| 17959 ACS8600127    | 5 |  | 19.6 <sup>n</sup>         | 19.35 <sup>n</sup> | 15.9 <sup>n</sup>  | 17.65 <sup>n</sup> | 17.5 <sup>n</sup>  |
| 17960 ACS8600181    | 5 |  | 6.8 <sup>n</sup>          | 6.7 <sup>n</sup>   | 17.5               | 6.1 <sup>n</sup>   | 61.5               |
| 17962 ACS8600083    | 5 |  | 18.6 <sup>n</sup>         | 18.35 <sup>n</sup> | 15.1 <sup>n</sup>  | 16.75 <sup>n</sup> | 16.65 <sup>n</sup> |
| 17965 ACS8600332    | 5 |  | 13.5 <sup>n</sup>         | 13.35 <sup>n</sup> | 11 <sup>n</sup>    | 12.2 <sup>n</sup>  | 12.1 <sup>n</sup>  |
| 17967 ACS8600109    | 5 |  | 12.8 <sup>n</sup>         | 12.65 <sup>n</sup> | 10.4 <sup>n</sup>  | 11.55 <sup>n</sup> | 259                |
| 17968 ACS8600207    | 5 |  | 20.9 <sup>n</sup>         | 20.65 <sup>n</sup> | 42.6               | 18.85 <sup>n</sup> | 262                |
| 17969 ACS8600047    | 5 |  | 12.6 <sup>n</sup>         | 12.45 <sup>n</sup> | 25.1               | 23.1               | 30                 |
| 17970 ACS8600234    | 5 |  | 19.4 <sup>n</sup>         | 19.15 <sup>n</sup> | 15.75 <sup>n</sup> | 17.5 <sup>n</sup>  | 17.35 <sup>n</sup> |
| 17986 ACS8600314    | 3 |  | 14.3 <sup>n</sup>         | 14.15 <sup>n</sup> | 26.7               | 60.1               | 12.8 <sup>n</sup>  |
| 17987 ACS8600056    | 5 |  | 12.75 <sup>n</sup>        | 12.6 <sup>n</sup>  | 71.3               | 65.1               | 25.4               |
| 17988 ACS8600403    | 4 |  | 13.5 <sup>n</sup>         | 13.35 <sup>n</sup> | 75.8               | 55.9               | 12.1 <sup>n</sup>  |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Phosphate Triesters**

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 68                        | 69                 | 70                 | 71                 | 72                 |
| 17903 ACS8600387    | 1 |  | 26.5 <sup>n</sup>         | 31.9 <sup>n</sup>  | 31.45 <sup>n</sup> | 11.45 <sup>n</sup> | 11.05 <sup>n</sup> |
| 17905 ACS8600298    | 1 |  | 27.55 <sup>n</sup>        | 33.2 <sup>n</sup>  | 32.7 <sup>n</sup>  | 11.9 <sup>n</sup>  | 11.45 <sup>n</sup> |
| 17906 ACS8600467    | 1 |  | 31.65 <sup>n</sup>        | 38.1 <sup>n</sup>  | 37.55 <sup>n</sup> | 27.4               | 13.2 <sup>n</sup>  |
| 17908 ACS8600378    | 1 |  | 28.3 <sup>n</sup>         | 34.05 <sup>n</sup> | 33.55 <sup>n</sup> | 12.25 <sup>n</sup> | 11.8 <sup>n</sup>  |
| 17909 ACS8600092    | 1 |  | 31.75 <sup>n</sup>        | 38.25 <sup>n</sup> | 37.7 <sup>n</sup>  | 13.75 <sup>n</sup> | 13.25 <sup>n</sup> |
| 17910 ACS8600449    | 1 |  | 35.5 <sup>n</sup>         | 42.7 <sup>n</sup>  | 42.1 <sup>n</sup>  | 15.35 <sup>n</sup> | 14.8 <sup>n</sup>  |
| 17911 ACS8600412    | 1 |  | 35.55 <sup>n</sup>        | 42.75 <sup>n</sup> | 42.1 <sup>n</sup>  | 15.35 <sup>n</sup> | 14.8 <sup>n</sup>  |
| 17912 ACS8600485    | 1 |  | 30.2 <sup>n</sup>         | 36.35 <sup>n</sup> | 35.85 <sup>n</sup> | 13.05 <sup>n</sup> | 12.6 <sup>n</sup>  |
| 17913 ACS8600136    | 1 |  | 35.65 <sup>n</sup>        | 42.9 <sup>n</sup>  | 42.3 <sup>n</sup>  | 276                | 14.85 <sup>n</sup> |
| 17914 ACS8600396    | 1 |  | 31.55 <sup>n</sup>        | 38 <sup>n</sup>    | 37.45 <sup>n</sup> | 13.65 <sup>n</sup> | 13.15 <sup>n</sup> |
| 17916 ACS8600154    | 2 |  | 53.5 <sup>n</sup>         | 64 <sup>n</sup>    | 63.5 <sup>n</sup>  | 23.05 <sup>n</sup> | 22.2 <sup>n</sup>  |
| 17919 ACS8600289    | 2 |  | 32.05 <sup>n</sup>        | 38.6 <sup>n</sup>  | 38.05 <sup>n</sup> | 13.85 <sup>n</sup> | 13.35 <sup>n</sup> |
| 17921 ACS8600430    | 2 |  | 27.4 <sup>n</sup>         | 33 <sup>n</sup>    | 32.5 <sup>n</sup>  | 11.85 <sup>n</sup> | 11.4 <sup>n</sup>  |
| 17922 ACS8600270    | 2 |  | 32.15 <sup>n</sup>        | 38.7 <sup>n</sup>  | 38.15 <sup>n</sup> | 13.9 <sup>n</sup>  | 13.4 <sup>n</sup>  |
| 17923 ACS8600494    | 2 |  | 74.5 <sup>n</sup>         | 90 <sup>n</sup>    | 88.5 <sup>n</sup>  | 32.3 <sup>n</sup>  | 31.1 <sup>n</sup>  |
| 17924 ACS8600421    | 2 |  | 31.4 <sup>n</sup>         | 37.8 <sup>n</sup>  | 37.25 <sup>n</sup> | 13.55 <sup>n</sup> | 13.1 <sup>n</sup>  |
| 17925 ACS8600458    | 2 |  | 29.95 <sup>n</sup>        | 36.1 <sup>n</sup>  | 35.55 <sup>n</sup> | 12.95 <sup>n</sup> | 12.5 <sup>n</sup>  |
| 17926 ACS8600252    | 2 |  | 52.5 <sup>n</sup>         | 63 <sup>n</sup>    | 62 <sup>n</sup>    | 22.6 <sup>n</sup>  | 21.75 <sup>n</sup> |
| 17927 ACS8600029    | 2 |  | 71 <sup>n</sup>           | 85.5 <sup>n</sup>  | 84.5 <sup>n</sup>  | 30.8 <sup>n</sup>  | 29.65 <sup>n</sup> |
| 17928 ACS8600476    | 2 |  | 61.5 <sup>n</sup>         | 74 <sup>n</sup>    | 72.5 <sup>n</sup>  | 26.45 <sup>n</sup> | 25.5 <sup>n</sup>  |
| 17930 ACS8600074    | 3 |  | 90.5 <sup>n</sup>         | 109 <sup>n</sup>   | 107.5 <sup>n</sup> | 39.2 <sup>n</sup>  | 37.75 <sup>n</sup> |
| 17931 ACS8600190    | 3 |  | 29.4 <sup>n</sup>         | 35.4 <sup>n</sup>  | 34.9 <sup>n</sup>  | 12.7 <sup>n</sup>  | 12.25 <sup>n</sup> |
| 17932 ACS8600038    | 3 |  | 75.5 <sup>n</sup>         | 91 <sup>n</sup>    | 89.5 <sup>n</sup>  | 32.6 <sup>n</sup>  | 31.4 <sup>n</sup>  |
| 17934 ACS8600172    | 3 |  | 53.5 <sup>n</sup>         | 64.5 <sup>n</sup>  | 63.5 <sup>n</sup>  | 23.1 <sup>n</sup>  | 22.25 <sup>n</sup> |
| 17935 ACS8600519    | 3 |  | 25.95 <sup>n</sup>        | 31.25 <sup>n</sup> | 30.85 <sup>n</sup> | 11.25 <sup>n</sup> | 10.8 <sup>n</sup>  |
| 17937 ACS8600369    | 3 |  | 36 <sup>n</sup>           | 43.35 <sup>n</sup> | 42.7 <sup>n</sup>  | 15.55 <sup>n</sup> | 15 <sup>n</sup>    |
| 17938 ACS8600323    | 3 |  | 64 <sup>n</sup>           | 77 <sup>n</sup>    | 76 <sup>n</sup>    | 27.6 <sup>n</sup>  | 26.6 <sup>n</sup>  |
| 17939 ACS8600225    | 3 |  | 330 <sup>n</sup>          | 397.5 <sup>n</sup> | 392 <sup>n</sup>   | 142.5 <sup>n</sup> | 137.5 <sup>n</sup> |
| 17942 ACS8600065    | 3 |  | 28.45 <sup>n</sup>        | 34.25 <sup>n</sup> | 33.75 <sup>n</sup> | 12.3 <sup>n</sup>  | 11.85 <sup>n</sup> |
| 17944 ACS8600243    | 4 |  | 81.5 <sup>n</sup>         | 98 <sup>n</sup>    | 96.5 <sup>n</sup>  | 35.2 <sup>n</sup>  | 33.9 <sup>n</sup>  |
| 17946 ACS8600163    | 4 |  | 86 <sup>n</sup>           | 103.5 <sup>n</sup> | 102 <sup>n</sup>   | 37.15 <sup>n</sup> | 35.8 <sup>n</sup>  |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Phosphate Triesters (cont.)**

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 68                        | 69                 | 70                 | 71                 | 72                 |
| 17947 ACS8600500    | 4 |  | 28.35 <sup>n</sup>        | 34.15 <sup>n</sup> | 33.65 <sup>n</sup> | 12.25 <sup>n</sup> | 27.7 <sup>t</sup>  |
| 17948 ACS8600350    | 4 |  | 58 <sup>n</sup>           | 70 <sup>n</sup>    | 69 <sup>n</sup>    | 25.15 <sup>n</sup> | 24.2 <sup>n</sup>  |
| 17949 ACS8600216    | 4 |  | 87.5 <sup>n</sup>         | 105.5 <sup>n</sup> | 104 <sup>n</sup>   | 37.9 <sup>n</sup>  | 36.5 <sup>n</sup>  |
| 17951 ACS8600261    | 4 |  | 71.5 <sup>n</sup>         | 86.5 <sup>n</sup>  | 85 <sup>n</sup>    | 30.95 <sup>n</sup> | 29.85 <sup>n</sup> |
| 17953 ACS8600305    | 4 |  | 34.85 <sup>n</sup>        | 42 <sup>n</sup>    | 41.4 <sup>n</sup>  | 15.05 <sup>n</sup> | 14.5 <sup>n</sup>  |
| 17955 ACS8600145    | 4 |  | 61.5 <sup>n</sup>         | 74 <sup>n</sup>    | 72.5 <sup>n</sup>  | 26.5 <sup>n</sup>  | 25.5 <sup>n</sup>  |
| 17956 ACS8600118    | 4 |  | 77 <sup>n</sup>           | 93 <sup>n</sup>    | 91.5 <sup>n</sup>  | 33.3 <sup>n</sup>  | 32.1 <sup>n</sup>  |
| 17958 ACS8600341    | 5 |  | 83.5 <sup>n</sup>         | 100.5 <sup>n</sup> | 99.5 <sup>n</sup>  | 36.15 <sup>n</sup> | 34.85 <sup>n</sup> |
| 17959 ACS8600127    | 5 |  | 83 <sup>n</sup>           | 100 <sup>n</sup>   | 99 <sup>n</sup>    | 35.95 <sup>n</sup> | 34.65 <sup>n</sup> |
| 17960 ACS8600181    | 5 |  | 28.85 <sup>n</sup>        | 34.75 <sup>n</sup> | 34.25 <sup>n</sup> | 12.5 <sup>n</sup>  | 12 <sup>n</sup>    |
| 17962 ACS8600083    | 5 |  | 79 <sup>n</sup>           | 95 <sup>n</sup>    | 94 <sup>n</sup>    | 34.15 <sup>n</sup> | 32.9 <sup>n</sup>  |
| 17965 ACS8600332    | 5 |  | 57.5 <sup>n</sup>         | 69 <sup>n</sup>    | 68 <sup>n</sup>    | 24.8 <sup>n</sup>  | 23.9 <sup>n</sup>  |
| 17967 ACS8600109    | 5 |  | 54.5 <sup>n</sup>         | 65.5 <sup>n</sup>  | 64.5 <sup>n</sup>  | 23.5 <sup>n</sup>  | 22.65 <sup>n</sup> |
| 17968 ACS8600207    | 5 |  | 89 <sup>n</sup>           | 107 <sup>n</sup>   | 105.5 <sup>n</sup> | 38.4 <sup>n</sup>  | 37 <sup>n</sup>    |
| 17969 ACS8600047    | 5 |  | 53.5 <sup>n</sup>         | 64.5 <sup>n</sup>  | 63.5 <sup>n</sup>  | 23.2 <sup>n</sup>  | 22.35 <sup>n</sup> |
| 17970 ACS8600234    | 5 |  | 82.5 <sup>n</sup>         | 99.5 <sup>n</sup>  | 98 <sup>n</sup>    | 35.65 <sup>n</sup> | 34.35 <sup>n</sup> |
| 17986 ACS8600314    | 3 |  | 61 <sup>n</sup>           | 73.5 <sup>n</sup>  | 72.5 <sup>n</sup>  | 26.3 <sup>n</sup>  | 25.35 <sup>n</sup> |
| 17987 ACS8600056    | 5 |  | 54 <sup>n</sup>           | 65 <sup>n</sup>    | 64.5 <sup>n</sup>  | 23.4 <sup>n</sup>  | 22.55 <sup>n</sup> |
| 17988 ACS8600403    | 4 |  | 57.5 <sup>n</sup>         | 69 <sup>n</sup>    | 68 <sup>n</sup>    | 24.8 <sup>n</sup>  | 23.9 <sup>n</sup>  |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = PAHs**

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                    |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 41                        | 42                 | 43                 | 44                 | 45                 | 46                 | 47                 | 48                 | 49                 |
| 17903 ACS8600387    | 1 |  | 31.6                      | 5.8 <sup>n</sup>   | 5.65 <sup>n</sup>  | 6.4 <sup>n</sup>   | 5.85 <sup>n</sup>  | 5.65 <sup>n</sup>  | 5.35 <sup>n</sup>  | 5.55 <sup>n</sup>  | 5.15 <sup>n</sup>  |
| 17905 ACS8600298    | 1 |  | 12.6 <sup>t</sup>         | 6.05 <sup>n</sup>  | 5.85 <sup>n</sup>  | 6.65 <sup>n</sup>  | 6.05 <sup>n</sup>  | 5.85 <sup>n</sup>  | 5.6 <sup>n</sup>   | 5.75 <sup>n</sup>  | 5.35 <sup>n</sup>  |
| 17906 ACS8600467    | 1 |  | 6.45 <sup>n</sup>         | 6.95 <sup>n</sup>  | 6.75 <sup>n</sup>  | 7.65 <sup>n</sup>  | 6.95 <sup>n</sup>  | 6.75 <sup>n</sup>  | 6.4 <sup>n</sup>   | 6.6 <sup>n</sup>   | 6.15 <sup>n</sup>  |
| 17908 ACS8600378    | 1 |  | 41.8                      | 6.2 <sup>n</sup>   | 6 <sup>n</sup>     | 6.85 <sup>n</sup>  | 6.25 <sup>n</sup>  | 6 <sup>n</sup>     | 5.75 <sup>n</sup>  | 5.9 <sup>n</sup>   | 5.5 <sup>n</sup>   |
| 17909 ACS8600092    | 1 |  | 25                        | 6.95 <sup>n</sup>  | 6.75 <sup>n</sup>  | 7.7 <sup>n</sup>   | 7 <sup>n</sup>     | 6.75 <sup>n</sup>  | 6.45 <sup>n</sup>  | 6.65 <sup>n</sup>  | 6.2 <sup>n</sup>   |
| 17910 ACS8600449    | 1 |  | 7.25 <sup>n</sup>         | 7.75 <sup>n</sup>  | 7.55 <sup>n</sup>  | 8.6 <sup>n</sup>   | 7.8 <sup>n</sup>   | 7.55 <sup>n</sup>  | 7.2 <sup>n</sup>   | 7.4 <sup>n</sup>   | 6.9 <sup>n</sup>   |
| 17911 ACS8600412    | 1 |  | 17.5 <sup>t</sup>         | 7.75 <sup>n</sup>  | 7.55 <sup>n</sup>  | 8.6 <sup>n</sup>   | 7.8 <sup>n</sup>   | 7.55 <sup>n</sup>  | 7.2 <sup>n</sup>   | 7.4 <sup>n</sup>   | 6.9 <sup>n</sup>   |
| 17912 ACS8600485    | 1 |  | 6.15 <sup>n</sup>         | 6.6 <sup>n</sup>   | 6.45 <sup>n</sup>  | 7.3 <sup>n</sup>   | 6.65 <sup>n</sup>  | 6.45 <sup>n</sup>  | 6.15 <sup>n</sup>  | 6.3 <sup>n</sup>   | 5.9 <sup>n</sup>   |
| 17913 ACS8600136    | 1 |  | 16.1 <sup>t</sup>         | 7.8 <sup>n</sup>   | 7.6 <sup>n</sup>   | 8.6 <sup>n</sup>   | 7.85 <sup>n</sup>  | 7.6 <sup>n</sup>   | 7.25 <sup>n</sup>  | 7.45 <sup>n</sup>  | 6.95 <sup>n</sup>  |
| 17914 ACS8600396    | 1 |  | 24.3                      | 6.9 <sup>n</sup>   | 6.7 <sup>n</sup>   | 7.65 <sup>n</sup>  | 6.95 <sup>n</sup>  | 6.7 <sup>n</sup>   | 6.4 <sup>n</sup>   | 6.6 <sup>n</sup>   | 6.15 <sup>n</sup>  |
| 17916 ACS8600154    | 2 |  | 15.8                      | 5.85 <sup>n</sup>  | 5.65 <sup>n</sup>  | 6.45 <sup>n</sup>  | 5.85 <sup>n</sup>  | 5.65 <sup>n</sup>  | 5.4 <sup>n</sup>   | 5.55 <sup>n</sup>  | 5.2 <sup>n</sup>   |
| 17919 ACS8600289    | 2 |  | 6.55 <sup>n</sup>         | 7 <sup>n</sup>     | 6.8 <sup>n</sup>   | 7.75 <sup>n</sup>  | 7.05 <sup>n</sup>  | 6.8 <sup>n</sup>   | 6.5 <sup>n</sup>   | 6.7 <sup>n</sup>   | 6.25 <sup>n</sup>  |
| 17921 ACS8600430    | 2 |  | 26.2                      | 6 <sup>n</sup>     | 5.85 <sup>n</sup>  | 6.65 <sup>n</sup>  | 6.05 <sup>n</sup>  | 5.85 <sup>n</sup>  | 5.55 <sup>n</sup>  | 5.7 <sup>n</sup>   | 5.35 <sup>n</sup>  |
| 17922 ACS8600270    | 2 |  | 6.55 <sup>n</sup>         | 7.05 <sup>n</sup>  | 6.85 <sup>n</sup>  | 7.8 <sup>n</sup>   | 7.1 <sup>n</sup>   | 6.85 <sup>n</sup>  | 6.5 <sup>n</sup>   | 6.7 <sup>n</sup>   | 6.25 <sup>n</sup>  |
| 17923 ACS8600494    | 2 |  | 15.25 <sup>n</sup>        | 16.35 <sup>n</sup> | 15.9 <sup>n</sup>  | 18.1 <sup>n</sup>  | 16.45 <sup>n</sup> | 15.9 <sup>n</sup>  | 15.15 <sup>n</sup> | 15.6 <sup>n</sup>  | 14.55 <sup>n</sup> |
| 17924 ACS8600421    | 2 |  | 72.5                      | 6.85 <sup>n</sup>  | 6.7 <sup>n</sup>   | 7.6 <sup>n</sup>   | 6.9 <sup>n</sup>   | 6.7 <sup>n</sup>   | 6.35 <sup>n</sup>  | 6.55 <sup>n</sup>  | 6.1 <sup>n</sup>   |
| 17925 ACS8600458    | 2 |  | 15.7                      | 6.55 <sup>n</sup>  | 6.4 <sup>n</sup>   | 7.25 <sup>n</sup>  | 6.6 <sup>n</sup>   | 6.4 <sup>n</sup>   | 6.1 <sup>n</sup>   | 6.25 <sup>n</sup>  | 5.85 <sup>n</sup>  |
| 17926 ACS8600252    | 2 |  | 20.5                      | 5.7 <sup>n</sup>   | 5.55 <sup>n</sup>  | 6.3 <sup>n</sup>   | 5.75 <sup>n</sup>  | 5.55 <sup>n</sup>  | 5.3 <sup>n</sup>   | 5.45 <sup>n</sup>  | 5.1 <sup>n</sup>   |
| 17927 ACS8600029    | 2 |  | 18.7                      | 7.8 <sup>n</sup>   | 7.6 <sup>n</sup>   | 8.6 <sup>n</sup>   | 7.85 <sup>n</sup>  | 7.6 <sup>n</sup>   | 7.2 <sup>n</sup>   | 7.45 <sup>n</sup>  | 6.95 <sup>n</sup>  |
| 17928 ACS8600476    | 2 |  | 6.25 <sup>n</sup>         | 6.7 <sup>n</sup>   | 6.5 <sup>n</sup>   | 7.4 <sup>n</sup>   | 6.75 <sup>n</sup>  | 6.5 <sup>n</sup>   | 6.2 <sup>n</sup>   | 6.4 <sup>n</sup>   | 5.95 <sup>n</sup>  |
| 17930 ACS8600074    | 3 |  | 22.2                      | 3.305 <sup>n</sup> | 3.215 <sup>n</sup> | 3.655 <sup>n</sup> | 3.33 <sup>n</sup>  | 3.215 <sup>n</sup> | 3.065 <sup>n</sup> | 3.155 <sup>n</sup> | 2.945 <sup>n</sup> |
| 17931 ACS8600190    | 3 |  | 12.9                      | 3.215 <sup>n</sup> | 3.13 <sup>n</sup>  | 3.56 <sup>n</sup>  | 3.24 <sup>n</sup>  | 3.13 <sup>n</sup>  | 2.98 <sup>n</sup>  | 3.07 <sup>n</sup>  | 2.865 <sup>n</sup> |
| 17932 ACS8600038    | 3 |  | 15.4                      | 2.75 <sup>n</sup>  | 2.675 <sup>n</sup> | 3.045 <sup>n</sup> | 6.48 <sup>t</sup>  | 2.675 <sup>n</sup> | 2.55 <sup>n</sup>  | 2.625 <sup>n</sup> | 2.45 <sup>n</sup>  |
| 17934 ACS8600172    | 3 |  | 40.2                      | 5.85 <sup>n</sup>  | 5.7 <sup>n</sup>   | 6.45 <sup>n</sup>  | 12.9 <sup>t</sup>  | 5.7 <sup>n</sup>   | 5.4 <sup>n</sup>   | 5.55 <sup>n</sup>  | 5.2 <sup>n</sup>   |
| 17935 ACS8600519    | 3 |  | 11.4                      | 2.84 <sup>n</sup>  | 2.765 <sup>n</sup> | 3.14 <sup>n</sup>  | 6.75 <sup>t</sup>  | 2.765 <sup>n</sup> | 2.635 <sup>n</sup> | 2.71 <sup>n</sup>  | 2.53 <sup>n</sup>  |
| 17937 ACS8600369    | 3 |  | 25.6                      | 3.94 <sup>n</sup>  | 3.83 <sup>n</sup>  | 4.355 <sup>n</sup> | 3.965 <sup>n</sup> | 3.83 <sup>n</sup>  | 3.65 <sup>n</sup>  | 3.755 <sup>n</sup> | 3.505 <sup>n</sup> |
| 17938 ACS8600323    | 3 |  | 14.9                      | 3.495 <sup>n</sup> | 3.4 <sup>n</sup>   | 3.865 <sup>n</sup> | 3.52 <sup>n</sup>  | 3.4 <sup>n</sup>   | 3.24 <sup>n</sup>  | 11.7               | 3.115 <sup>n</sup> |
| 17939 ACS8600225    | 3 |  | 102                       | 36.1 <sup>n</sup>  | 35.1 <sup>n</sup>  | 39.95 <sup>n</sup> | 36.35 <sup>n</sup> | 35.1 <sup>n</sup>  | 33.5 <sup>n</sup>  | 34.45 <sup>n</sup> | 32.15 <sup>n</sup> |
| 17942 ACS8600065    | 3 |  | 2.9 <sup>n</sup>          | 3.11 <sup>n</sup>  | 3.025 <sup>n</sup> | 3.44 <sup>n</sup>  | 3.135 <sup>n</sup> | 3.025 <sup>n</sup> | 2.885 <sup>n</sup> | 2.97 <sup>n</sup>  | 2.77 <sup>n</sup>  |
| 17944 ACS8600243    | 4 |  | 14.5                      | 2.97 <sup>n</sup>  | 2.89 <sup>n</sup>  | 3.285 <sup>n</sup> | 2.99 <sup>n</sup>  | 2.89 <sup>n</sup>  | 2.755 <sup>n</sup> | 2.835 <sup>n</sup> | 2.645 <sup>n</sup> |
| 17946 ACS8600163    | 4 |  | 23.2                      | 3.135 <sup>n</sup> | 3.045 <sup>n</sup> | 3.465 <sup>n</sup> | 3.155 <sup>n</sup> | 3.045 <sup>n</sup> | 2.905 <sup>n</sup> | 2.99 <sup>n</sup>  | 2.79 <sup>n</sup>  |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = PAHs (cont.)**

Compound # (see page A-1)

| Lab #/Samp. #/Batch |            |   | 41                | 42                  | 43                 | 44                  | 45                 | 46                 | 47                 | 48                  | 49                  |
|---------------------|------------|---|-------------------|---------------------|--------------------|---------------------|--------------------|--------------------|--------------------|---------------------|---------------------|
| 17947               | ACS8600500 | 4 | 12.8              | 3.105 <sup>n</sup>  | 3.015 <sup>n</sup> | 3.43 <sup>n</sup>   | 3.125 <sup>n</sup> | 3.015 <sup>n</sup> | 2.875 <sup>n</sup> | 2.96 <sup>n</sup>   | 2.765 <sup>n</sup>  |
| 17948               | ACS8600350 | 4 | 9.99              | 3.18 <sup>n</sup>   | 3.095 <sup>n</sup> | 3.52 <sup>n</sup>   | 3.205 <sup>n</sup> | 3.095 <sup>n</sup> | 2.95 <sup>n</sup>  | 3.035 <sup>n</sup>  | 2.835 <sup>n</sup>  |
| 17949               | ACS8600216 | 4 | 16                | 3.195 <sup>n</sup>  | 3.105 <sup>n</sup> | 3.535 <sup>n</sup>  | 3.22 <sup>n</sup>  | 3.105 <sup>n</sup> | 2.96 <sup>n</sup>  | 3.05 <sup>n</sup>   | 2.845 <sup>n</sup>  |
| 17951               | ACS8600261 | 4 | 18                | 3.92 <sup>n</sup>   | 3.81 <sup>n</sup>  | 4.335 <sup>n</sup>  | 3.945 <sup>n</sup> | 3.81 <sup>n</sup>  | 3.635 <sup>n</sup> | 3.74 <sup>n</sup>   | 3.49 <sup>n</sup>   |
| 17953               | ACS8600305 | 4 | 16.3              | 3.815 <sup>n</sup>  | 3.71 <sup>n</sup>  | 4.22 <sup>n</sup>   | 3.84 <sup>n</sup>  | 3.71 <sup>n</sup>  | 3.535 <sup>n</sup> | 12.8                | 3.4 <sup>n</sup>    |
| 17955               | ACS8600145 | 4 | 17.2              | 3.35 <sup>n</sup>   | 3.26 <sup>n</sup>  | 3.705 <sup>n</sup>  | 7.46 <sup>l</sup>  | 3.26 <sup>n</sup>  | 3.105 <sup>n</sup> | 3.195 <sup>n</sup>  | 2.985 <sup>n</sup>  |
| 17956               | ACS8600118 | 4 | 13.8              | 2.8105 <sup>n</sup> | 2.732 <sup>n</sup> | 3.1075 <sup>n</sup> | 2.829 <sup>n</sup> | 2.732 <sup>n</sup> | 2.605 <sup>n</sup> | 2.6805 <sup>n</sup> | 2.5025 <sup>n</sup> |
| 17958               | ACS8600341 | 5 | 12.8              | 3.05 <sup>n</sup>   | 2.965 <sup>n</sup> | 3.375 <sup>n</sup>  | 3.07 <sup>n</sup>  | 2.965 <sup>n</sup> | 2.83 <sup>n</sup>  | 2.91 <sup>n</sup>   | 2.715 <sup>n</sup>  |
| 17959               | ACS8600127 | 5 | 15.4              | 3.035 <sup>n</sup>  | 2.95 <sup>n</sup>  | 3.355 <sup>n</sup>  | 3.055 <sup>n</sup> | 2.95 <sup>n</sup>  | 2.815 <sup>n</sup> | 2.895 <sup>n</sup>  | 2.705 <sup>n</sup>  |
| 17960               | ACS8600181 | 5 | 26.1              | 3.16 <sup>n</sup>   | 3.07 <sup>n</sup>  | 3.495 <sup>n</sup>  | 3.18 <sup>n</sup>  | 3.07 <sup>n</sup>  | 2.93 <sup>n</sup>  | 3.015 <sup>n</sup>  | 2.815 <sup>n</sup>  |
| 17962               | ACS8600083 | 5 | 13.1              | 2.88 <sup>n</sup>   | 2.8 <sup>n</sup>   | 3.185 <sup>n</sup>  | 2.9 <sup>n</sup>   | 2.8 <sup>n</sup>   | 2.67 <sup>n</sup>  | 2.75 <sup>n</sup>   | 2.565 <sup>n</sup>  |
| 17965               | ACS8600332 | 5 | 68.7              | 3.14 <sup>n</sup>   | 3.055 <sup>n</sup> | 3.475 <sup>n</sup>  | 3.165 <sup>n</sup> | 3.055 <sup>n</sup> | 2.915 <sup>n</sup> | 2.995 <sup>n</sup>  | 2.8 <sup>n</sup>    |
| 17967               | ACS8600109 | 5 | 13.1              | 2.975 <sup>n</sup>  | 2.895 <sup>n</sup> | 3.29 <sup>n</sup>   | 2.995 <sup>n</sup> | 2.895 <sup>n</sup> | 2.76 <sup>n</sup>  | 2.84 <sup>n</sup>   | 2.65 <sup>n</sup>   |
| 17968               | ACS8600207 | 5 | 33                | 3.24 <sup>n</sup>   | 3.15 <sup>n</sup>  | 3.58 <sup>n</sup>   | 3.26 <sup>n</sup>  | 3.15 <sup>n</sup>  | 3.005 <sup>n</sup> | 3.09 <sup>n</sup>   | 2.885 <sup>n</sup>  |
| 17969               | ACS8600047 | 5 | 13.7              | 2.935 <sup>n</sup>  | 2.855 <sup>n</sup> | 3.245 <sup>n</sup>  | 2.955 <sup>n</sup> | 2.855 <sup>n</sup> | 2.72 <sup>n</sup>  | 2.8 <sup>n</sup>    | 2.615 <sup>n</sup>  |
| 17970               | ACS8600234 | 5 | 8.72 <sup>l</sup> | 3.005 <sup>n</sup>  | 2.925 <sup>n</sup> | 3.325 <sup>n</sup>  | 3.03 <sup>n</sup>  | 2.925 <sup>n</sup> | 2.79 <sup>n</sup>  | 2.87 <sup>n</sup>   | 2.68 <sup>n</sup>   |
| 17986               | ACS8600314 | 3 | 9.94              | 3.33 <sup>n</sup>   | 3.235 <sup>n</sup> | 3.68 <sup>n</sup>   | 3.35 <sup>n</sup>  | 7.21 <sup>l</sup>  | 3.085 <sup>n</sup> | 3.175 <sup>n</sup>  | 2.965 <sup>n</sup>  |
| 17987               | ACS8600056 | 5 | 9.87              | 2.965 <sup>n</sup>  | 2.88 <sup>n</sup>  | 3.275 <sup>n</sup>  | 2.985 <sup>n</sup> | 2.88 <sup>n</sup>  | 2.745 <sup>n</sup> | 2.825 <sup>n</sup>  | 2.64 <sup>n</sup>   |
| 17988               | ACS8600403 | 4 | 17.4              | 3.14 <sup>n</sup>   | 3.055 <sup>n</sup> | 3.475 <sup>n</sup>  | 3.16 <sup>n</sup>  | 3.055 <sup>n</sup> | 2.91 <sup>n</sup>  | 2.995 <sup>n</sup>  | 2.795 <sup>n</sup>  |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>l</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Other (quantitative)**

A-17

|                     |   |  | Compound # (see page A-1) |                    |                    |                    |                    |                   |                   |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 28                        | 29                 | 30                 | 31                 | 32                 | 33                | 34                | 35                 | 36                 | 37                 | 38                 |
| 17903 ACS8600387    | 1 |  | 5.1 <sup>n</sup>          | 6.15 <sup>n</sup>  | 6.3 <sup>n</sup>   | 5.45 <sup>n</sup>  | 6.55 <sup>n</sup>  | 25.3              | 295               | 5.95 <sup>n</sup>  | 5.9 <sup>n</sup>   | 5.6 <sup>n</sup>   | 166                |
| 17905 ACS8600298    | 1 |  | 5.3 <sup>n</sup>          | 6.4 <sup>n</sup>   | 6.55 <sup>n</sup>  | 5.65 <sup>n</sup>  | 6.8 <sup>n</sup>   | 5.9 <sup>n</sup>  | 86.3              | 6.2 <sup>n</sup>   | 6.1 <sup>n</sup>   | 5.85 <sup>n</sup>  | 6.1 <sup>n</sup>   |
| 17906 ACS8600467    | 1 |  | 6.1 <sup>n</sup>          | 7.35 <sup>n</sup>  | 7.5 <sup>n</sup>   | 6.5 <sup>n</sup>   | 7.8 <sup>n</sup>   | 6.8 <sup>n</sup>  | 19.8 <sup>t</sup> | 7.1 <sup>n</sup>   | 7.05 <sup>n</sup>  | 6.7 <sup>n</sup>   | 7 <sup>n</sup>     |
| 17908 ACS8600378    | 1 |  | 5.45 <sup>n</sup>         | 6.55 <sup>n</sup>  | 6.7 <sup>n</sup>   | 5.8 <sup>n</sup>   | 7 <sup>n</sup>     | 12.9 <sup>t</sup> | 178               | 6.35 <sup>n</sup>  | 6.3 <sup>n</sup>   | 6 <sup>n</sup>     | 6.25 <sup>n</sup>  |
| 17909 ACS8600092    | 1 |  | 6.1 <sup>n</sup>          | 7.35 <sup>n</sup>  | 7.55 <sup>n</sup>  | 6.5 <sup>n</sup>   | 7.85 <sup>n</sup>  | 20                | 481               | 7.15 <sup>n</sup>  | 7.05 <sup>n</sup>  | 6.75 <sup>n</sup>  | 7.05 <sup>n</sup>  |
| 17910 ACS8600449    | 1 |  | 6.8 <sup>n</sup>          | 8.2 <sup>n</sup>   | 8.4 <sup>n</sup>   | 7.25 <sup>n</sup>  | 8.75 <sup>n</sup>  | 7.6 <sup>n</sup>  | 78.6              | 7.95 <sup>n</sup>  | 7.9 <sup>n</sup>   | 7.55 <sup>n</sup>  | 7.85 <sup>n</sup>  |
| 17911 ACS8600412    | 1 |  | 6.8 <sup>n</sup>          | 8.2 <sup>n</sup>   | 8.4 <sup>n</sup>   | 7.25 <sup>n</sup>  | 8.75 <sup>n</sup>  | 7.6 <sup>n</sup>  | 7.65 <sup>n</sup> | 7.95 <sup>n</sup>  | 7.9 <sup>n</sup>   | 7.55 <sup>n</sup>  | 7.85 <sup>n</sup>  |
| 17912 ACS8600485    | 1 |  | 5.8 <sup>n</sup>          | 7 <sup>n</sup>     | 7.15 <sup>n</sup>  | 6.2 <sup>n</sup>   | 7.45 <sup>n</sup>  | 6.5 <sup>n</sup>  | 94.2              | 6.8 <sup>n</sup>   | 6.7 <sup>n</sup>   | 6.4 <sup>n</sup>   | 23.3               |
| 17913 ACS8600136    | 1 |  | 6.85 <sup>n</sup>         | 8.25 <sup>n</sup>  | 8.45 <sup>n</sup>  | 7.3 <sup>n</sup>   | 8.8 <sup>n</sup>   | 7.65 <sup>n</sup> | 110               | 8 <sup>n</sup>     | 7.9 <sup>n</sup>   | 7.55 <sup>n</sup>  | 60.7               |
| 17914 ACS8600396    | 1 |  | 6.05 <sup>n</sup>         | 7.3 <sup>n</sup>   | 7.5 <sup>n</sup>   | 6.45 <sup>n</sup>  | 7.8 <sup>n</sup>   | 23.1              | 299               | 7.1 <sup>n</sup>   | 7 <sup>n</sup>     | 6.7 <sup>n</sup>   | 7 <sup>n</sup>     |
| 17916 ACS8600154    | 2 |  | 5.1 <sup>n</sup>          | 6.15 <sup>n</sup>  | 6.35 <sup>n</sup>  | 5.45 <sup>n</sup>  | 6.6 <sup>n</sup>   | 18.2              | 163               | 6 <sup>n</sup>     | 5.9 <sup>n</sup>   | 5.65 <sup>n</sup>  | 5.9 <sup>n</sup>   |
| 17919 ACS8600289    | 2 |  | 6.15 <sup>n</sup>         | 7.4 <sup>n</sup>   | 7.6 <sup>n</sup>   | 6.55 <sup>n</sup>  | 7.9 <sup>n</sup>   | 24.9              | 230               | 7.2 <sup>n</sup>   | 7.1 <sup>n</sup>   | 6.8 <sup>n</sup>   | 7.1 <sup>n</sup>   |
| 17921 ACS8600430    | 2 |  | 5.25 <sup>n</sup>         | 6.35 <sup>n</sup>  | 6.5 <sup>n</sup>   | 5.6 <sup>n</sup>   | 6.75 <sup>n</sup>  | 49.8              | 548               | 6.15 <sup>n</sup>  | 6.1 <sup>n</sup>   | 5.8 <sup>n</sup>   | 6.05 <sup>n</sup>  |
| 17922 ACS8600270    | 2 |  | 6.15 <sup>n</sup>         | 7.45 <sup>n</sup>  | 7.65 <sup>n</sup>  | 6.6 <sup>n</sup>   | 7.95 <sup>n</sup>  | 6.9 <sup>n</sup>  | 86.9              | 7.2 <sup>n</sup>   | 7.15 <sup>n</sup>  | 6.8 <sup>n</sup>   | 7.1 <sup>n</sup>   |
| 17923 ACS8600494    | 2 |  | 14.35 <sup>n</sup>        | 17.3 <sup>n</sup>  | 17.75 <sup>n</sup> | 15.3 <sup>n</sup>  | 18.45 <sup>n</sup> | 93.2              | 785               | 16.8 <sup>n</sup>  | 16.6 <sup>n</sup>  | 15.85 <sup>n</sup> | 16.55 <sup>n</sup> |
| 17924 ACS8600421    | 2 |  | 6.05 <sup>n</sup>         | 7.25 <sup>n</sup>  | 7.45 <sup>n</sup>  | 6.45 <sup>n</sup>  | 7.75 <sup>n</sup>  | 33.8              | 660               | 7.05 <sup>n</sup>  | 6.95 <sup>n</sup>  | 6.65 <sup>n</sup>  | 6.95 <sup>n</sup>  |
| 17925 ACS8600458    | 2 |  | 5.75 <sup>n</sup>         | 6.95 <sup>n</sup>  | 7.1 <sup>n</sup>   | 6.15 <sup>n</sup>  | 7.4 <sup>n</sup>   | 13.9 <sup>t</sup> | 345               | 6.75 <sup>n</sup>  | 6.65 <sup>n</sup>  | 6.35 <sup>n</sup>  | 6.65 <sup>n</sup>  |
| 17926 ACS8600252    | 2 |  | 5 <sup>n</sup>            | 6.05 <sup>n</sup>  | 6.2 <sup>n</sup>   | 5.35 <sup>n</sup>  | 6.45 <sup>n</sup>  | 23.2              | 284               | 5.85 <sup>n</sup>  | 5.8 <sup>n</sup>   | 5.55 <sup>n</sup>  | 22.9               |
| 17927 ACS8600029    | 2 |  | 6.85 <sup>n</sup>         | 8.25 <sup>n</sup>  | 8.45 <sup>n</sup>  | 7.3 <sup>n</sup>   | 8.8 <sup>n</sup>   | 23.2              | 192               | 8 <sup>n</sup>     | 7.9 <sup>n</sup>   | 7.55 <sup>n</sup>  | 7.9 <sup>n</sup>   |
| 17928 ACS8600476    | 2 |  | 5.9 <sup>n</sup>          | 7.1 <sup>n</sup>   | 7.25 <sup>n</sup>  | 6.3 <sup>n</sup>   | 7.55 <sup>n</sup>  | 6.55 <sup>n</sup> | 192               | 6.9 <sup>n</sup>   | 6.8 <sup>n</sup>   | 6.5 <sup>n</sup>   | 6.75 <sup>n</sup>  |
| 17930 ACS8600074    | 3 |  | 2.9 <sup>n</sup>          | 3.495 <sup>n</sup> | 3.585 <sup>n</sup> | 3.095 <sup>n</sup> | 3.73 <sup>n</sup>  | 12.6              | 428               | 3.39 <sup>n</sup>  | 3.355 <sup>n</sup> | 3.205 <sup>n</sup> | 3.34 <sup>n</sup>  |
| 17931 ACS8600190    | 3 |  | 2.825 <sup>n</sup>        | 3.405 <sup>n</sup> | 3.49 <sup>n</sup>  | 3.015 <sup>n</sup> | 3.63 <sup>n</sup>  | 19.1              | 391               | 3.3 <sup>n</sup>   | 3.265 <sup>n</sup> | 3.12 <sup>n</sup>  | 3.25 <sup>n</sup>  |
| 17932 ACS8600038    | 3 |  | 2.415 <sup>n</sup>        | 2.91 <sup>n</sup>  | 2.985 <sup>n</sup> | 2.575 <sup>n</sup> | 3.105 <sup>n</sup> | 23.1              | 303               | 2.825 <sup>n</sup> | 2.79 <sup>n</sup>  | 2.665 <sup>n</sup> | 2.78 <sup>n</sup>  |
| 17934 ACS8600172    | 3 |  | 5.15 <sup>n</sup>         | 6.2 <sup>n</sup>   | 6.35 <sup>n</sup>  | 5.45 <sup>n</sup>  | 6.6 <sup>n</sup>   | 39.3              | 323               | 6 <sup>n</sup>     | 5.95 <sup>n</sup>  | 5.65 <sup>n</sup>  | 5.9 <sup>n</sup>   |
| 17935 ACS8600519    | 3 |  | 2.495 <sup>n</sup>        | 3.005 <sup>n</sup> | 3.08 <sup>n</sup>  | 2.66 <sup>n</sup>  | 3.21 <sup>n</sup>  | 14.6              | 212               | 2.915 <sup>n</sup> | 2.885 <sup>n</sup> | 2.755 <sup>n</sup> | 15.2               |
| 17937 ACS8600369    | 3 |  | 3.46 <sup>n</sup>         | 4.165 <sup>n</sup> | 4.27 <sup>n</sup>  | 3.69 <sup>n</sup>  | 4.445 <sup>n</sup> | 51.2              | 732               | 4.04 <sup>n</sup>  | 3.995 <sup>n</sup> | 3.82 <sup>n</sup>  | 3.98 <sup>n</sup>  |
| 17938 ACS8600323    | 3 |  | 3.07 <sup>n</sup>         | 3.695 <sup>n</sup> | 3.79 <sup>n</sup>  | 3.275 <sup>n</sup> | 3.945 <sup>n</sup> | 16.4              | 298               | 3.585 <sup>n</sup> | 3.545 <sup>n</sup> | 3.39 <sup>n</sup>  | 27                 |
| 17939 ACS8600225    | 3 |  | 31.7 <sup>n</sup>         | 38.2 <sup>n</sup>  | 39.2 <sup>n</sup>  | 33.85 <sup>n</sup> | 40.8 <sup>n</sup>  | 35.4 <sup>n</sup> | 365               | 37.05 <sup>n</sup> | 36.65 <sup>n</sup> | 35 <sup>n</sup>    | 36.5 <sup>n</sup>  |
| 17942 ACS8600065    | 3 |  | 2.73 <sup>n</sup>         | 3.29 <sup>n</sup>  | 3.375 <sup>n</sup> | 2.915 <sup>n</sup> | 3.515 <sup>n</sup> | 3.05 <sup>n</sup> | 3.06 <sup>n</sup> | 3.19 <sup>n</sup>  | 3.155 <sup>n</sup> | 3.015 <sup>n</sup> | 3.145 <sup>n</sup> |
| 17944 ACS8600243    | 4 |  | 2.61 <sup>n</sup>         | 3.14 <sup>n</sup>  | 3.22 <sup>n</sup>  | 2.78 <sup>n</sup>  | 3.355 <sup>n</sup> | 28.1              | 435               | 3.05 <sup>n</sup>  | 3.015 <sup>n</sup> | 2.88 <sup>n</sup>  | 3 <sup>n</sup>     |
| 17946 ACS8600163    | 4 |  | 2.75 <sup>n</sup>         | 3.315 <sup>n</sup> | 3.4 <sup>n</sup>   | 2.935 <sup>n</sup> | 3.54 <sup>n</sup>  | 14.5              | 167               | 3.215 <sup>n</sup> | 3.18 <sup>n</sup>  | 3.04 <sup>n</sup>  | 19.4               |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Other (quantitative) (cont.)**

|                     |   |  | Compound # (see page A-1) |                     |                    |                    |                     |      |     |                     |                    |                    |                    |
|---------------------|---|--|---------------------------|---------------------|--------------------|--------------------|---------------------|------|-----|---------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 28                        | 29                  | 30                 | 31                 | 32                  | 33   | 34  | 35                  | 36                 | 37                 | 38                 |
| 17947 ACS8600500    | 4 |  | 2.725 <sup>n</sup>        | 3.285 <sup>n</sup>  | 3.365 <sup>n</sup> | 2.905 <sup>n</sup> | 3.505 <sup>n</sup>  | 20.6 | 262 | 3.185 <sup>n</sup>  | 3.15 <sup>n</sup>  | 3.01 <sup>n</sup>  | 3.135 <sup>n</sup> |
| 17948 ACS8600350    | 4 |  | 2.795 <sup>n</sup>        | 3.365 <sup>n</sup>  | 3.45 <sup>n</sup>  | 2.98 <sup>n</sup>  | 3.595 <sup>n</sup>  | 23.1 | 52  | 3.265 <sup>n</sup>  | 3.23 <sup>n</sup>  | 3.085 <sup>n</sup> | 3.215 <sup>n</sup> |
| 17949 ACS8600216    | 4 |  | 2.805 <sup>n</sup>        | 3.38 <sup>n</sup>   | 3.465 <sup>n</sup> | 2.995 <sup>n</sup> | 3.61 <sup>n</sup>   | 16.1 | 163 | 3.28 <sup>n</sup>   | 3.245 <sup>n</sup> | 3.1 <sup>n</sup>   | 3.23 <sup>n</sup>  |
| 17951 ACS8600261    | 4 |  | 3.44 <sup>n</sup>         | 4.145 <sup>n</sup>  | 4.25 <sup>n</sup>  | 3.67 <sup>n</sup>  | 4.425 <sup>n</sup>  | 9.09 | 69  | 4.02 <sup>n</sup>   | 3.975 <sup>n</sup> | 3.8 <sup>n</sup>   | 3.96 <sup>n</sup>  |
| 17953 ACS8600305    | 4 |  | 3.35 <sup>n</sup>         | 4.035 <sup>n</sup>  | 4.14 <sup>n</sup>  | 3.575 <sup>n</sup> | 4.305 <sup>n</sup>  | 13.6 | 149 | 3.915 <sup>n</sup>  | 3.87 <sup>n</sup>  | 3.7 <sup>n</sup>   | 3.855 <sup>n</sup> |
| 17955 ACS8600145    | 4 |  | 2.945 <sup>n</sup>        | 3.545 <sup>n</sup>  | 3.635 <sup>n</sup> | 3.14 <sup>n</sup>  | 3.835 <sup>n</sup>  | 17.8 | 146 | 3.44 <sup>n</sup>   | 3.4 <sup>n</sup>   | 3.25 <sup>n</sup>  | 3.385 <sup>n</sup> |
| 17956 ACS8600118    | 4 |  | 2.467 <sup>n</sup>        | 2.9725 <sup>n</sup> | 3.048 <sup>n</sup> | 2.632 <sup>n</sup> | 3.1725 <sup>n</sup> | 20   | 305 | 2.8835 <sup>n</sup> | 2.851 <sup>n</sup> | 2.724 <sup>n</sup> | 2.84 <sup>n</sup>  |
| 17958 ACS8600341    | 5 |  | 2.68 <sup>n</sup>         | 3.225 <sup>n</sup>  | 3.31 <sup>n</sup>  | 2.855 <sup>n</sup> | 3.445 <sup>n</sup>  | 16.8 | 195 | 3.13 <sup>n</sup>   | 3.095 <sup>n</sup> | 2.955 <sup>n</sup> | 3.085 <sup>n</sup> |
| 17959 ACS8600127    | 5 |  | 2.665 <sup>n</sup>        | 3.21 <sup>n</sup>   | 3.29 <sup>n</sup>  | 2.845 <sup>n</sup> | 3.425 <sup>n</sup>  | 20.6 | 287 | 3.115 <sup>n</sup>  | 3.08 <sup>n</sup>  | 2.94 <sup>n</sup>  | 3.065 <sup>n</sup> |
| 17960 ACS8600181    | 5 |  | 2.775 <sup>n</sup>        | 3.34 <sup>n</sup>   | 3.425 <sup>n</sup> | 2.96 <sup>n</sup>  | 3.565 <sup>n</sup>  | 33.4 | 277 | 3.24 <sup>n</sup>   | 3.205 <sup>n</sup> | 3.06 <sup>n</sup>  | 3.195 <sup>n</sup> |
| 17962 ACS8600083    | 5 |  | 2.53 <sup>n</sup>         | 3.05 <sup>n</sup>   | 3.125 <sup>n</sup> | 2.7 <sup>n</sup>   | 3.255 <sup>n</sup>  | 22.9 | 345 | 2.955 <sup>n</sup>  | 2.925 <sup>n</sup> | 2.795 <sup>n</sup> | 2.915 <sup>n</sup> |
| 17965 ACS8600332    | 5 |  | 2.76 <sup>n</sup>         | 3.325 <sup>n</sup>  | 3.41 <sup>n</sup>  | 2.945 <sup>n</sup> | 3.545 <sup>n</sup>  | 13.2 | 198 | 3.225 <sup>n</sup>  | 3.185 <sup>n</sup> | 3.045 <sup>n</sup> | 3.175 <sup>n</sup> |
| 17967 ACS8600109    | 5 |  | 2.615 <sup>n</sup>        | 3.15 <sup>n</sup>   | 3.23 <sup>n</sup>  | 2.785 <sup>n</sup> | 3.36 <sup>n</sup>   | 12.7 | 208 | 3.055 <sup>n</sup>  | 3.02 <sup>n</sup>  | 2.885 <sup>n</sup> | 3.005 <sup>n</sup> |
| 17968 ACS8600207    | 5 |  | 2.845 <sup>n</sup>        | 3.425 <sup>n</sup>  | 3.515 <sup>n</sup> | 3.035 <sup>n</sup> | 3.655 <sup>n</sup>  | 25.9 | 313 | 3.325 <sup>n</sup>  | 3.285 <sup>n</sup> | 3.14 <sup>n</sup>  | 3.275 <sup>n</sup> |
| 17969 ACS8600047    | 5 |  | 2.575 <sup>n</sup>        | 3.105 <sup>n</sup>  | 3.185 <sup>n</sup> | 2.75 <sup>n</sup>  | 3.315 <sup>n</sup>  | 33.6 | 344 | 3.01 <sup>n</sup>   | 2.98 <sup>n</sup>  | 2.845 <sup>n</sup> | 2.965 <sup>n</sup> |
| 17970 ACS8600234    | 5 |  | 2.64 <sup>n</sup>         | 3.18 <sup>n</sup>   | 3.26 <sup>n</sup>  | 2.815 <sup>n</sup> | 3.395 <sup>n</sup>  | 18   | 175 | 3.085 <sup>n</sup>  | 3.05 <sup>n</sup>  | 2.915 <sup>n</sup> | 3.04 <sup>n</sup>  |
| 17986 ACS8600314    | 3 |  | 2.925 <sup>n</sup>        | 3.52 <sup>n</sup>   | 3.61 <sup>n</sup>  | 3.12 <sup>n</sup>  | 3.76 <sup>n</sup>   | 12.1 | 122 | 3.415 <sup>n</sup>  | 3.38 <sup>n</sup>  | 3.225 <sup>n</sup> | 9.63 <sup>t</sup>  |
| 17987 ACS8600056    | 5 |  | 2.6 <sup>n</sup>          | 3.135 <sup>n</sup>  | 3.215 <sup>n</sup> | 2.775 <sup>n</sup> | 3.345 <sup>n</sup>  | 18.6 | 492 | 3.04 <sup>n</sup>   | 3.005 <sup>n</sup> | 2.87 <sup>n</sup>  | 9.24 <sup>t</sup>  |
| 17988 ACS8600403    | 4 |  | 2.755 <sup>n</sup>        | 3.32 <sup>n</sup>   | 3.405 <sup>n</sup> | 2.94 <sup>n</sup>  | 3.545 <sup>n</sup>  | 29.8 | 299 | 3.22 <sup>n</sup>   | 3.185 <sup>n</sup> | 3.045 <sup>n</sup> | 3.175 <sup>n</sup> |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Other (quantitative) (cont.)**

Compound # (see page A-1)

| Lab #/Samp. #/Batch | 39                 | 40                 | 73                 | 74                 | 75                 | 76                 | 77                 | 78                 |
|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 17903 ACS8600387 1  | 5.6 <sup>n</sup>   | 6.3 <sup>n</sup>   | 13.15 <sup>n</sup> | 11.6 <sup>n</sup>  | 1.37 <sup>n</sup>  | 9.35 <sup>n</sup>  | 14.3 <sup>n</sup>  | 5.5 <sup>n</sup>   |
| 17905 ACS8600298 1  | 5.85 <sup>n</sup>  | 24.6               | 13.7 <sup>n</sup>  | 12.1 <sup>n</sup>  | 1.425 <sup>n</sup> | 9.75 <sup>n</sup>  | 14.9 <sup>n</sup>  | 15.1 <sup>l</sup>  |
| 17906 ACS8600467 1  | 6.7 <sup>n</sup>   | 7.5 <sup>n</sup>   | 15.7 <sup>n</sup>  | 13.85 <sup>n</sup> | 1.64 <sup>n</sup>  | 11.2 <sup>n</sup>  | 17.1 <sup>n</sup>  | 6.55 <sup>n</sup>  |
| 17908 ACS8600378 1  | 6 <sup>n</sup>     | 6.7 <sup>n</sup>   | 14.05 <sup>n</sup> | 12.4 <sup>n</sup>  | 1.465 <sup>n</sup> | 10 <sup>n</sup>    | 15.25 <sup>n</sup> | 5.9 <sup>n</sup>   |
| 17909 ACS8600092 1  | 6.75 <sup>n</sup>  | 7.55 <sup>n</sup>  | 15.75 <sup>n</sup> | 13.95 <sup>n</sup> | 1.645 <sup>n</sup> | 11.25 <sup>n</sup> | 17.15 <sup>n</sup> | 202                |
| 17910 ACS8600449 1  | 7.55 <sup>n</sup>  | 8.4 <sup>n</sup>   | 17.6 <sup>n</sup>  | 15.55 <sup>n</sup> | 1.835 <sup>n</sup> | 12.55 <sup>n</sup> | 19.15 <sup>n</sup> | 7.35 <sup>n</sup>  |
| 17911 ACS8600412 1  | 7.55 <sup>n</sup>  | 8.4 <sup>n</sup>   | 17.6 <sup>n</sup>  | 15.55 <sup>n</sup> | 1.835 <sup>n</sup> | 12.55 <sup>n</sup> | 19.15 <sup>n</sup> | 7.35 <sup>n</sup>  |
| 17912 ACS8600485 1  | 6.4 <sup>n</sup>   | 85.1               | 15 <sup>n</sup>    | 13.25 <sup>n</sup> | 1.565 <sup>n</sup> | 10.7 <sup>n</sup>  | 16.3 <sup>n</sup>  | 6.25 <sup>n</sup>  |
| 17913 ACS8600136 1  | 7.55 <sup>n</sup>  | 8.45 <sup>n</sup>  | 17.7 <sup>n</sup>  | 15.6 <sup>n</sup>  | 1.845 <sup>n</sup> | 12.6 <sup>n</sup>  | 19.25 <sup>n</sup> | 7.4 <sup>n</sup>   |
| 17914 ACS8600396 1  | 6.7 <sup>n</sup>   | 7.5 <sup>n</sup>   | 15.65 <sup>n</sup> | 13.85 <sup>n</sup> | 1.635 <sup>n</sup> | 11.15 <sup>n</sup> | 17.05 <sup>n</sup> | 6.55 <sup>n</sup>  |
| 17916 ACS8600154 2  | 5.65 <sup>n</sup>  | 6.35 <sup>n</sup>  | 26.45 <sup>n</sup> | 23.35 <sup>n</sup> | 2.76 <sup>n</sup>  | 18.85 <sup>n</sup> | 28.8 <sup>n</sup>  | 11.05 <sup>n</sup> |
| 17919 ACS8600289 2  | 6.8 <sup>n</sup>   | 16.3 <sup>l</sup>  | 15.9 <sup>n</sup>  | 14.05 <sup>n</sup> | 1.66 <sup>n</sup>  | 11.35 <sup>n</sup> | 17.3 <sup>n</sup>  | 127                |
| 17921 ACS8600430 2  | 5.8 <sup>n</sup>   | 15.5               | 13.6 <sup>n</sup>  | 12 <sup>n</sup>    | 1.42 <sup>n</sup>  | 9.7 <sup>n</sup>   | 14.8 <sup>n</sup>  | 5.7 <sup>n</sup>   |
| 17922 ACS8600270 2  | 6.8 <sup>n</sup>   | 23.2               | 15.95 <sup>n</sup> | 14.1 <sup>n</sup>  | 1.665 <sup>n</sup> | 11.35 <sup>n</sup> | 17.35 <sup>n</sup> | 6.7 <sup>n</sup>   |
| 17923 ACS8600494 2  | 15.85 <sup>n</sup> | 44.6               | 37.1 <sup>n</sup>  | 32.75 <sup>n</sup> | 3.87 <sup>n</sup>  | 26.4 <sup>n</sup>  | 40.35 <sup>n</sup> | 15.5 <sup>n</sup>  |
| 17924 ACS8600421 2  | 6.65 <sup>n</sup>  | 39.7               | 15.6 <sup>n</sup>  | 13.75 <sup>n</sup> | 1.625 <sup>n</sup> | 11.1 <sup>n</sup>  | 16.95 <sup>n</sup> | 6.5 <sup>n</sup>   |
| 17925 ACS8600458 2  | 6.35 <sup>n</sup>  | 7.1 <sup>n</sup>   | 14.9 <sup>n</sup>  | 13.15 <sup>n</sup> | 1.55 <sup>n</sup>  | 10.6 <sup>n</sup>  | 16.2 <sup>n</sup>  | 6.25 <sup>n</sup>  |
| 17926 ACS8600252 2  | 5.55 <sup>n</sup>  | 6.2 <sup>n</sup>   | 25.95 <sup>n</sup> | 22.9 <sup>n</sup>  | 2.705 <sup>n</sup> | 18.45 <sup>n</sup> | 28.2 <sup>n</sup>  | 10.85 <sup>n</sup> |
| 17927 ACS8600029 2  | 7.55 <sup>n</sup>  | 8.45 <sup>n</sup>  | 35.35 <sup>n</sup> | 31.2 <sup>n</sup>  | 3.685 <sup>n</sup> | 25.2 <sup>n</sup>  | 38.45 <sup>n</sup> | 14.8 <sup>n</sup>  |
| 17928 ACS8600476 2  | 6.5 <sup>n</sup>   | 78.8               | 30.4 <sup>n</sup>  | 26.85 <sup>n</sup> | 3.17 <sup>n</sup>  | 21.65 <sup>n</sup> | 33.05 <sup>n</sup> | 12.7 <sup>n</sup>  |
| 17930 ACS8600074 3  | 3.205 <sup>n</sup> | 114                | 45 <sup>n</sup>    | 39.75 <sup>n</sup> | 4.7 <sup>n</sup>   | 32.05 <sup>n</sup> | 48.95 <sup>n</sup> | 1820               |
| 17931 ACS8600190 3  | 3.12 <sup>n</sup>  | 71.9               | 14.6 <sup>n</sup>  | 12.9 <sup>n</sup>  | 1.52 <sup>n</sup>  | 10.4 <sup>n</sup>  | 15.85 <sup>n</sup> | 6.1 <sup>n</sup>   |
| 17932 ACS8600038 3  | 2.67 <sup>n</sup>  | 53.4               | 37.45 <sup>n</sup> | 33.05 <sup>n</sup> | 3.9 <sup>n</sup>   | 26.65 <sup>n</sup> | 40.75 <sup>n</sup> | 15.65 <sup>n</sup> |
| 17934 ACS8600172 3  | 5.65 <sup>n</sup>  | 34                 | 26.5 <sup>n</sup>  | 23.4 <sup>n</sup>  | 2.75 <sup>n</sup>  | 18.9 <sup>n</sup>  | 28.85 <sup>n</sup> | 11.1 <sup>n</sup>  |
| 17935 ACS8600519 3  | 2.755 <sup>n</sup> | 31.8               | 12.9 <sup>n</sup>  | 11.4 <sup>n</sup>  | 1.345 <sup>n</sup> | 9.2 <sup>n</sup>   | 14.05 <sup>n</sup> | 5.4 <sup>n</sup>   |
| 17937 ACS8600369 3  | 3.82 <sup>n</sup>  | 22                 | 17.85 <sup>n</sup> | 15.8 <sup>n</sup>  | 1.865 <sup>n</sup> | 12.75 <sup>n</sup> | 19.45 <sup>n</sup> | 7.5 <sup>n</sup>   |
| 17938 ACS8600323 3  | 3.39 <sup>n</sup>  | 180                | 31.7 <sup>n</sup>  | 28 <sup>n</sup>    | 3.3 <sup>n</sup>   | 22.6 <sup>n</sup>  | 34.5 <sup>n</sup>  | 194                |
| 17939 ACS8600225 3  | 35.05 <sup>n</sup> | 79.7 <sup>l</sup>  | 164 <sup>n</sup>   | 144.5 <sup>n</sup> | 17.1 <sup>n</sup>  | 116.5 <sup>n</sup> | 178.5 <sup>n</sup> | 68.5 <sup>n</sup>  |
| 17942 ACS8600065 3  | 3.02 <sup>n</sup>  | 3.375 <sup>n</sup> | 14.1 <sup>n</sup>  | 12.45 <sup>n</sup> | 1.47 <sup>n</sup>  | 10.05 <sup>n</sup> | 15.35 <sup>n</sup> | 43                 |
| 17944 ACS8600243 4  | 2.88 <sup>n</sup>  | 63.9               | 40.45 <sup>n</sup> | 35.7 <sup>n</sup>  | 4.215 <sup>n</sup> | 28.8 <sup>n</sup>  | 44 <sup>n</sup>    | 16.9 <sup>n</sup>  |
| 17946 ACS8600163 4  | 3.04 <sup>n</sup>  | 39.7               | 42.65 <sup>n</sup> | 37.65 <sup>n</sup> | 4.45 <sup>n</sup>  | 30.4 <sup>n</sup>  | 46.4 <sup>n</sup>  | 17.85 <sup>n</sup> |

A-19

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Other (quantitative) (cont.)**

|                     |   |  | Compound # (see page A-1) |                   |                    |                    |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 39                        | 40                | 73                 | 74                 | 75                 | 76                 | 77                 | 78                 |
| 17947 ACS8600500    | 4 |  | 3.01 <sup>n</sup>         | 11.1              | 35.2 <sup>t</sup>  | 12.45 <sup>n</sup> | 1.47 <sup>n</sup>  | 10.05 <sup>n</sup> | 15.3 <sup>n</sup>  | 5.9 <sup>n</sup>   |
| 17948 ACS8600350    | 4 |  | 3.09 <sup>n</sup>         | 18.1              | 28.9 <sup>n</sup>  | 25.5 <sup>n</sup>  | 3.01 <sup>n</sup>  | 20.55 <sup>n</sup> | 31.4 <sup>n</sup>  | 12.1 <sup>n</sup>  |
| 17949 ACS8600216    | 4 |  | 3.1 <sup>n</sup>          | 83.3              | 43.5 <sup>n</sup>  | 38.4 <sup>n</sup>  | 4.535 <sup>n</sup> | 31 <sup>n</sup>    | 47.3 <sup>n</sup>  | 18.2 <sup>n</sup>  |
| 17951 ACS8600261    | 4 |  | 3.805 <sup>n</sup>        | 312               | 35.55 <sup>n</sup> | 31.4 <sup>n</sup>  | 3.71 <sup>n</sup>  | 25.35 <sup>n</sup> | 38.7 <sup>n</sup>  | 14.9 <sup>n</sup>  |
| 17953 ACS8600305    | 4 |  | 3.7 <sup>n</sup>          | 153               | 17.3 <sup>n</sup>  | 15.3 <sup>n</sup>  | 1.805 <sup>n</sup> | 12.35 <sup>n</sup> | 18.85 <sup>n</sup> | 7.25 <sup>n</sup>  |
| 17955 ACS8600145    | 4 |  | 3.25 <sup>n</sup>         | 14.6              | 30.4 <sup>n</sup>  | 26.85 <sup>n</sup> | 3.17 <sup>n</sup>  | 21.65 <sup>n</sup> | 33.1 <sup>n</sup>  | 12.7 <sup>n</sup>  |
| 17956 ACS8600118    | 4 |  | 2.7265 <sup>n</sup>       | 32.8              | 38.25 <sup>n</sup> | 33.75 <sup>n</sup> | 3.99 <sup>n</sup>  | 27.25 <sup>n</sup> | 41.6 <sup>n</sup>  | 16 <sup>n</sup>    |
| 17958 ACS8600341    | 5 |  | 2.96 <sup>n</sup>         | 138               | 41.5 <sup>n</sup>  | 36.65 <sup>n</sup> | 4.33 <sup>n</sup>  | 29.55 <sup>n</sup> | 45.15 <sup>n</sup> | 150                |
| 17959 ACS8600127    | 5 |  | 2.945 <sup>n</sup>        | 36.8              | 41.3 <sup>n</sup>  | 36.5 <sup>n</sup>  | 4.31 <sup>n</sup>  | 29.4 <sup>n</sup>  | 44.95 <sup>n</sup> | 17.35 <sup>n</sup> |
| 17960 ACS8600181    | 5 |  | 3.065 <sup>n</sup>        | 31.3              | 14.35 <sup>n</sup> | 12.65 <sup>n</sup> | 1.495 <sup>n</sup> | 10.2 <sup>n</sup>  | 15.6 <sup>n</sup>  | 6 <sup>n</sup>     |
| 17962 ACS8600083    | 5 |  | 2.795 <sup>n</sup>        | 17                | 39.25 <sup>n</sup> | 34.65 <sup>n</sup> | 4.09 <sup>n</sup>  | 27.95 <sup>n</sup> | 42.65 <sup>n</sup> | 460                |
| 17965 ACS8600332    | 5 |  | 3.05 <sup>n</sup>         | 98                | 28.5 <sup>n</sup>  | 25.15 <sup>n</sup> | 2.975 <sup>n</sup> | 20.3 <sup>n</sup>  | 31 <sup>n</sup>    | 125                |
| 17967 ACS8600109    | 5 |  | 2.885 <sup>n</sup>        | 99.5              | 27 <sup>n</sup>    | 23.85 <sup>n</sup> | 2.815 <sup>n</sup> | 19.25 <sup>n</sup> | 29.35 <sup>n</sup> | 52.2               |
| 17968 ACS8600207    | 5 |  | 3.145 <sup>n</sup>        | 67.4              | 44.1 <sup>n</sup>  | 38.95 <sup>n</sup> | 4.595 <sup>n</sup> | 31.4 <sup>n</sup>  | 47.95 <sup>n</sup> | 18.45 <sup>n</sup> |
| 17969 ACS8600047    | 5 |  | 2.85 <sup>n</sup>         | 39                | 26.65 <sup>n</sup> | 23.5 <sup>n</sup>  | 2.775 <sup>n</sup> | 18.95 <sup>n</sup> | 28.95 <sup>n</sup> | 1010               |
| 17970 ACS8600234    | 5 |  | 2.92 <sup>n</sup>         | 22.9              | 40.95 <sup>n</sup> | 36.15 <sup>n</sup> | 4.27 <sup>n</sup>  | 29.15 <sup>n</sup> | 44.5 <sup>n</sup>  | 17.1 <sup>n</sup>  |
| 17986 ACS8600314    | 3 |  | 3.23 <sup>n</sup>         | 3.61 <sup>n</sup> | 30.2 <sup>n</sup>  | 26.7 <sup>n</sup>  | 3.15 <sup>n</sup>  | 21.5 <sup>n</sup>  | 32.85 <sup>n</sup> | 12.65 <sup>n</sup> |
| 17987 ACS8600056    | 5 |  | 2.875 <sup>n</sup>        | 32.5              | 26.9 <sup>n</sup>  | 23.75 <sup>n</sup> | 2.805 <sup>n</sup> | 19.15 <sup>n</sup> | 29.25 <sup>n</sup> | 25.3               |
| 17988 ACS8600403    | 4 |  | 3.045 <sup>n</sup>        | 16.1              | 28.5 <sup>n</sup>  | 25.15 <sup>n</sup> | 2.97 <sup>n</sup>  | 20.3 <sup>n</sup>  | 31 <sup>n</sup>    | 11.9 <sup>n</sup>  |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)**  
**Group = PCBs**

Compound # (see page A-1)

| Lab #/Samp. #/Batch | 50                 | 51                 | 52                | 53                 | 54                 | 55                 | 56                 | 57                 | 58                 | 59                 |
|---------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 17903 ACS8600387 1  | 4.57 <sup>n</sup>  | 4.625 <sup>n</sup> | 6.25 <sup>n</sup> | 31.7               | 22.5               | 334                | 131                | 9.9 <sup>n</sup>   | 10 <sup>n</sup>    | 12.65 <sup>n</sup> |
| 17905 ACS8600298 1  | 4.755 <sup>n</sup> | 4.81 <sup>n</sup>  | 6.5 <sup>n</sup>  | 93.1               | 68.3               | 394                | 183                | 52.5               | 22.1               | 37                 |
| 17906 ACS8600467 1  | 5.45 <sup>n</sup>  | 5.55 <sup>n</sup>  | 7.45 <sup>n</sup> | 35.2               | 28.8               | 145                | 36.5               | 11.85 <sup>n</sup> | 11.9 <sup>n</sup>  | 15.1 <sup>n</sup>  |
| 17908 ACS8600378 1  | 4.88 <sup>n</sup>  | 4.94 <sup>n</sup>  | 6.65 <sup>n</sup> | 15.8               | 10.25 <sup>n</sup> | 65.1               | 10.9 <sup>n</sup>  | 10.6 <sup>n</sup>  | 10.65 <sup>n</sup> | 13.5 <sup>n</sup>  |
| 17909 ACS8600092 1  | 5.5 <sup>n</sup>   | 5.55 <sup>n</sup>  | 39.4              | 287                | 465                | 1435               | 587                | 188                | 82.9               | 65.1               |
| 17910 ACS8600449 1  | 6.1 <sup>n</sup>   | 6.2 <sup>n</sup>   | 8.35 <sup>n</sup> | 15.5               | 12.85 <sup>n</sup> | 31.8               | 13.65 <sup>n</sup> | 13.3 <sup>n</sup>  | 13.35 <sup>n</sup> | 16.95 <sup>n</sup> |
| 17911 ACS8600412 1  | 6.1 <sup>n</sup>   | 6.2 <sup>n</sup>   | 8.35 <sup>n</sup> | 64.2               | 126                | 367                | 164                | 13.3 <sup>n</sup>  | 13.35 <sup>n</sup> | 16.95 <sup>n</sup> |
| 17912 ACS8600485 1  | 5.2 <sup>n</sup>   | 5.3 <sup>n</sup>   | 28.2              | 135                | 279                | 460                | 135                | 12.95 <sup>n</sup> | 23.4               | 43.2               |
| 17913 ACS8600136 1  | 6.15 <sup>n</sup>  | 6.2 <sup>n</sup>   | 8.4 <sup>n</sup>  | 7.85 <sup>n</sup>  | 12.9 <sup>n</sup>  | 66.7               | 13.7 <sup>n</sup>  | 13.35 <sup>n</sup> | 13.4 <sup>n</sup>  | 17 <sup>n</sup>    |
| 17914 ACS8600396 1  | 5.45 <sup>n</sup>  | 5.5 <sup>n</sup>   | 7.45 <sup>n</sup> | 45.9               | 27.3               | 273                | 100                | 11.8 <sup>n</sup>  | 11.9 <sup>n</sup>  | 15.05 <sup>n</sup> |
| 17916 ACS8600154 2  | 4.6 <sup>n</sup>   | 4.655 <sup>n</sup> | 6.3 <sup>n</sup>  | 83.9               | 252                | 627                | 255                | 27.9               | 20.6               | 12.75 <sup>n</sup> |
| 17919 ACS8600289 2  | 5.55 <sup>n</sup>  | 5.6 <sup>n</sup>   | 25.5              | 149.5 <sup>n</sup> | 612                | 1006               | 1149               | 413                | 119                | 86.7               |
| 17921 ACS8600430 2  | 4.725 <sup>n</sup> | 4.785 <sup>n</sup> | 8.75 <sup>n</sup> | 108                | 285                | 785                | 358                | 171                | 93.9               | 107                |
| 17922 ACS8600270 2  | 5.55 <sup>n</sup>  | 5.6 <sup>n</sup>   | 7.55 <sup>n</sup> | 119                | 68.2               | 474                | 215                | 53.2               | 12.1 <sup>n</sup>  | 15.35 <sup>n</sup> |
| 17923 ACS8600494 2  | 12.9 <sup>n</sup>  | 13.05 <sup>n</sup> | 17.6 <sup>n</sup> | 14.45 <sup>n</sup> | 27.05 <sup>n</sup> | 28 <sup>n</sup>    | 28.75 <sup>n</sup> | 28 <sup>n</sup>    | 28.15 <sup>n</sup> | 35.7 <sup>n</sup>  |
| 17924 ACS8600421 2  | 5.4 <sup>n</sup>   | 5.5 <sup>n</sup>   | 30                | 191                | 382                | 672                | 304                | 131                | 95.4               | 95                 |
| 17925 ACS8600458 2  | 5.15 <sup>n</sup>  | 5.25 <sup>n</sup>  | 7.05 <sup>n</sup> | 66.6               | 74                 | 460                | 259                | 123                | 28.3               | 14.3 <sup>n</sup>  |
| 17926 ACS8600252 2  | 4.51 <sup>n</sup>  | 4.565 <sup>n</sup> | 28.1              | 92.5               | 34.9               | 476                | 177                | 52.1               | 21.8               | 34.1               |
| 17927 ACS8600029 2  | 6.15 <sup>n</sup>  | 6.2 <sup>n</sup>   | 8.4 <sup>n</sup>  | 6 <sup>n</sup>     | 47.1               | 67.4               | 28.6               | 13.35 <sup>n</sup> | 13.4 <sup>n</sup>  | 17 <sup>n</sup>    |
| 17928 ACS8600476 2  | 5.3 <sup>n</sup>   | 5.35 <sup>n</sup>  | 28.1              | 178                | 339                | 644                | 280                | 85.8               | 11.55 <sup>n</sup> | 45.6               |
| 17930 ACS8600074 3  | 5.2 <sup>n</sup>   | 5.3 <sup>n</sup>   | 30.5              | 223                | 382                | 982                | 413                | 156                | 83.5               | 72.9               |
| 17931 ACS8600190 3  | 5.05 <sup>n</sup>  | 5.15 <sup>n</sup>  | 10 <sup>n</sup>   | 131                | 275                | 545                | 221                | 81.4               | 24.5               | 31.8               |
| 17932 ACS8600038 3  | 4.34 <sup>n</sup>  | 4.39 <sup>n</sup>  | 5.95 <sup>n</sup> | 35.8 <sup>n</sup>  | 130                | 352                | 176                | 47.5               | 9.45 <sup>n</sup>  | 12 <sup>n</sup>    |
| 17934 ACS8600172 3  | 9.2 <sup>n</sup>   | 9.35 <sup>n</sup>  | 12.6 <sup>n</sup> | 9 <sup>n</sup>     | 139                | 211                | 22.9 <sup>n</sup>  | 20 <sup>n</sup>    | 20.1 <sup>n</sup>  | 25.5 <sup>n</sup>  |
| 17935 ACS8600519 3  | 4.48 <sup>n</sup>  | 4.535 <sup>n</sup> | 6.1 <sup>n</sup>  | 74.3               | 131                | 326                | 146                | 83.4               | 21.4               | 59.3               |
| 17937 ACS8600369 3  | 6.2 <sup>n</sup>   | 6.3 <sup>n</sup>   | 8.5 <sup>n</sup>  | 37                 | 107                | 101                | 35.8               | 13.5 <sup>n</sup>  | 13.55 <sup>n</sup> | 17.2 <sup>n</sup>  |
| 17938 ACS8600323 3  | 5.5 <sup>n</sup>   | 5.6 <sup>n</sup>   | 14.9 <sup>n</sup> | 61 <sup>n</sup>    | 131                | 461                | 266                | 177                | 52.3               | 64                 |
| 17939 ACS8600225 3  | 57 <sup>n</sup>    | 57.5 <sup>n</sup>  | 78 <sup>n</sup>   | 55.5 <sup>n</sup>  | 119.5 <sup>n</sup> | 123.5 <sup>n</sup> | 127 <sup>n</sup>   | 123.5 <sup>n</sup> | 124.5 <sup>n</sup> | 157.5 <sup>n</sup> |
| 17942 ACS8600065 3  | 4.905 <sup>n</sup> | 4.965 <sup>n</sup> | 6.7 <sup>n</sup>  | 44.3               | 63.9               | 139                | 44                 | 10.65 <sup>n</sup> | 10.7 <sup>n</sup>  | 13.6 <sup>n</sup>  |
| 17944 ACS8600243 4  | 4.685 <sup>n</sup> | 4.74 <sup>n</sup>  | 6.4 <sup>n</sup>  | 53.5               | 102                | 199                | 59.6               | 10.15 <sup>n</sup> | 10.25 <sup>n</sup> | 12.95 <sup>n</sup> |
| 17946 ACS8600163 4  | 4.945 <sup>n</sup> | 5 <sup>n</sup>     | 6.75 <sup>n</sup> | 155                | 152                | 985                | 373                | 149                | 10.8 <sup>n</sup>  | 49.5 <sup>n</sup>  |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = PCBs (cont.)**

|                     |   |  | Compound # (see page A-1) |                    |                   |                    |                   |                    |                    |                    |                    |                    |
|---------------------|---|--|---------------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Lab #/Samp. #/Batch |   |  | 50                        | 51                 | 52                | 53                 | 54                | 55                 | 56                 | 57                 | 58                 | 59                 |
| 17947 ACS8600500    | 4 |  | 4.895 <sup>n</sup>        | 4.955 <sup>n</sup> | 6.7 <sup>n</sup>  | 37                 | 76                | 206                | 85.6               | 10.65 <sup>n</sup> | 10.7 <sup>n</sup>  | 13.55 <sup>n</sup> |
| 17948 ACS8600350    | 4 |  | 5 <sup>n</sup>            | 5.1 <sup>n</sup>   | 23                | 101                | 212               | 274                | 67                 | 23.9               | 10.95 <sup>n</sup> | 13.9 <sup>n</sup>  |
| 17949 ACS8600216    | 4 |  | 5.05 <sup>n</sup>         | 5.1 <sup>n</sup>   | 35.8              | 203                | 436               | 611                | 214                | 16.45 <sup>n</sup> | 11 <sup>n</sup>    | 14.3 <sup>n</sup>  |
| 17951 ACS8600261    | 4 |  | 6.2 <sup>n</sup>          | 6.25 <sup>n</sup>  | 8.45 <sup>n</sup> | 6.05 <sup>n</sup>  | 175               | 243                | 28                 | 13.4 <sup>n</sup>  | 13.5 <sup>n</sup>  | 17.1 <sup>n</sup>  |
| 17953 ACS8600305    | 4 |  | 6 <sup>n</sup>            | 6.1 <sup>n</sup>   | 8.2 <sup>n</sup>  | 5.85 <sup>n</sup>  | 12.6 <sup>n</sup> | 13.05 <sup>n</sup> | 13.45 <sup>n</sup> | 13.05 <sup>n</sup> | 13.15 <sup>n</sup> | 16.65 <sup>n</sup> |
| 17955 ACS8600145    | 4 |  | 5.3 <sup>n</sup>          | 5.35 <sup>n</sup>  | 7.2 <sup>n</sup>  | 5.15 <sup>n</sup>  | 78.6              | 385                | 158                | 13.15 <sup>n</sup> | 11.55 <sup>n</sup> | 14.65 <sup>n</sup> |
| 17956 ACS8600118    | 4 |  | 4.43 <sup>n</sup>         | 4.485 <sup>n</sup> | 38.9              | 200                | 407               | 553                | 201                | 99.1               | 15.35 <sup>n</sup> | 15.3 <sup>n</sup>  |
| 17958 ACS8600341    | 5 |  | 4.81 <sup>n</sup>         | 4.87 <sup>n</sup>  | 42.6              | 125                | 115               | 484                | 106                | 20.9               | 10.5 <sup>n</sup>  | 68.2               |
| 17959 ACS8600127    | 5 |  | 4.785 <sup>n</sup>        | 4.845 <sup>n</sup> | 48.1              | 330                | 503               | 659                | 247                | 150                | 27.25 <sup>n</sup> | 60.5 <sup>n</sup>  |
| 17960 ACS8600181    | 5 |  | 4.98 <sup>n</sup>         | 5.05 <sup>n</sup>  | 15.3 <sup>t</sup> | 90.4               | 267               | 528                | 117                | 11.6 <sup>n</sup>  | 10.9 <sup>n</sup>  | 13.8 <sup>n</sup>  |
| 17962 ACS8600083    | 5 |  | 4.545 <sup>n</sup>        | 4.6 <sup>n</sup>   | 9.85 <sup>n</sup> | 142                | 414               | 580                | 174                | 16.8 <sup>n</sup>  | 9.9 <sup>n</sup>   | 12.6 <sup>n</sup>  |
| 17965 ACS8600332    | 5 |  | 4.955 <sup>n</sup>        | 5 <sup>n</sup>     | 9.65 <sup>n</sup> | 64 <sup>n</sup>    | 271               | 578                | 259                | 39.6               | 19.9 <sup>n</sup>  | 24 <sup>n</sup>    |
| 17967 ACS8600109    | 5 |  | 4.695 <sup>n</sup>        | 4.75 <sup>n</sup>  | 25.4              | 141                | 360               | 419                | 130                | 10.2 <sup>n</sup>  | 10.25 <sup>n</sup> | 13 <sup>n</sup>    |
| 17968 ACS8600207    | 5 |  | 5.1 <sup>n</sup>          | 5.15 <sup>n</sup>  | 28.9              | 164                | 350               | 935                | 382                | 234                | 19.95 <sup>n</sup> | 33                 |
| 17969 ACS8600047    | 5 |  | 4.63 <sup>n</sup>         | 4.685 <sup>n</sup> | 7.55 <sup>n</sup> | 46.5 <sup>n</sup>  | 177               | 304                | 68.8               | 10.05 <sup>n</sup> | 10.1 <sup>n</sup>  | 12.8 <sup>n</sup>  |
| 17970 ACS8600234    | 5 |  | 4.74 <sup>n</sup>         | 4.8 <sup>n</sup>   | 7.4 <sup>n</sup>  | 45.1 <sup>n</sup>  | 184               | 366                | 84                 | 10.3 <sup>n</sup>  | 10.35 <sup>n</sup> | 13.15 <sup>n</sup> |
| 17986 ACS8600314    | 3 |  | 5.25 <sup>n</sup>         | 5.3 <sup>n</sup>   | 7.2 <sup>n</sup>  | 33.55 <sup>n</sup> | 123               | 239                | 43.2               | 11.4 <sup>n</sup>  | 11.45 <sup>n</sup> | 14.55 <sup>n</sup> |
| 17987 ACS8600056    | 5 |  | 4.67 <sup>n</sup>         | 4.73 <sup>n</sup>  | 6.4 <sup>n</sup>  | 41.4 <sup>n</sup>  | 217               | 259                | 42.8               | 10.15 <sup>n</sup> | 10.2 <sup>n</sup>  | 12.95 <sup>n</sup> |
| 17988 ACS8600403    | 4 |  | 4.95 <sup>n</sup>         | 5 <sup>n</sup>     | 6.75 <sup>n</sup> | 4.83 <sup>n</sup>  | 134               | 236                | 47.1               | 10.75 <sup>n</sup> | 10.8 <sup>n</sup>  | 13.7 <sup>n</sup>  |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Pesticides (qualitative)**

|                     |            |   | Compound # (see page A-1) |                  |                  |                |                  |                  |                |                  |                |
|---------------------|------------|---|---------------------------|------------------|------------------|----------------|------------------|------------------|----------------|------------------|----------------|
| Lab #/Samp. #/Batch |            |   | 85                        | 86               | 98               | 99             | 100              | 101              | 102            | 106              | 107            |
| 17903               | ACS8600387 | 1 | 10                        | 2.5 <sup>n</sup> | 30               | 10             | 10               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17905               | ACS8600298 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 200              | 50               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17906               | ACS8600467 | 1 | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 10             | 10               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17908               | ACS8600378 | 1 | 100                       | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17909               | ACS8600092 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 10             | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17910               | ACS8600449 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17911               | ACS8600412 | 1 | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 10             | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17912               | ACS8600485 | 1 | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 300              | 5 <sup>n</sup> | 100              | 5 <sup>n</sup> |
| 17913               | ACS8600136 | 1 | 2.5 <sup>n</sup>          | 60               | 10               | 10             | 10               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17914               | ACS8600396 | 1 | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 100              | 40               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17916               | ACS8600154 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 10               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17919               | ACS8600289 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 30               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17921               | ACS8600430 | 2 | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 40               | 5 <sup>n</sup> |
| 17922               | ACS8600270 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17923               | ACS8600494 | 2 | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17924               | ACS8600421 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 10               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17925               | ACS8600458 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17926               | ACS8600252 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17927               | ACS8600029 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 30               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17928               | ACS8600476 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17930               | ACS8600074 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17931               | ACS8600190 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 40               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17932               | ACS8600038 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17934               | ACS8600172 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17935               | ACS8600519 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17937               | ACS8600369 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17938               | ACS8600323 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 300              | 5 <sup>n</sup> | 300              | 5 <sup>n</sup> |
| 17939               | ACS8600225 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17942               | ACS8600065 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 40               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17944               | ACS8600243 | 4 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |
| 17946               | ACS8600163 | 4 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 10               | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Pesticides (qualitative) (cont.)**

|                     |                  |                  | Compound # (see page A-1) |                |                  |                  |                |                  |                |  |  |
|---------------------|------------------|------------------|---------------------------|----------------|------------------|------------------|----------------|------------------|----------------|--|--|
| Lab #/Samp. #/Batch | 85               | 86               | 98                        | 99             | 100              | 101              | 102            | 106              | 107            |  |  |
| 17947 ACS8600500 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17948 ACS8600350 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 20                        | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17949 ACS8600216 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17951 ACS8600261 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17953 ACS8600305 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17955 ACS8600145 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17956 ACS8600118 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17958 ACS8600341 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17959 ACS8600127 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17960 ACS8600181 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17962 ACS8600083 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 10                        | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17965 ACS8600332 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17967 ACS8600109 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 10                        | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17968 ACS8600207 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 20                        | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17969 ACS8600047 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17970 ACS8600234 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 10                        | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17986 ACS8600314 3  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17987 ACS8600056 5  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 20                        | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |
| 17988 ACS8600403 4  | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup>          | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> |  |  |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.  
<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)**  
**Group = Chlorinated aromatics (qualitative)**

|                     |   |  | Compound # (see page A-1) |                |                |                |                |                |                  |                |                |
|---------------------|---|--|---------------------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|
| Lab #/Samp. #/Batch |   |  | 88                        | 89             | 90             | 91             | 92             | 95             | 96               | 97             | 110            |
| 17903 ACS8600387    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17905 ACS8600298    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17906 ACS8600467    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17908 ACS8600378    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17909 ACS8600092    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17910 ACS8600449    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17911 ACS8600412    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17912 ACS8600485    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10             | 2.5 <sup>n</sup> | 60             | 5 <sup>n</sup> |
| 17913 ACS8600136    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17914 ACS8600396    | 1 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17916 ACS8600154    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17919 ACS8600289    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17921 ACS8600430    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17922 ACS8600270    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17923 ACS8600494    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17924 ACS8600421    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17925 ACS8600458    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17926 ACS8600252    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17927 ACS8600029    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17928 ACS8600476    | 2 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17930 ACS8600074    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17931 ACS8600190    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 200            | 5 <sup>n</sup> |
| 17932 ACS8600038    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17934 ACS8600172    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17935 ACS8600519    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17937 ACS8600369    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 20             |
| 17938 ACS8600323    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17939 ACS8600225    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17942 ACS8600065    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17944 ACS8600243    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17946 ACS8600163    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Chlorinated aromatics (qualitative) (cont.)**

|                     |   |  | Compound # (see page A-1) |                |                |                |                |                |                  |                |                |
|---------------------|---|--|---------------------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|----------------|
| Lab #/Samp. #/Batch |   |  | 88                        | 89             | 90             | 91             | 92             | 95             | 96               | 97             | 110            |
| 17947 ACS8600500    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17948 ACS8600350    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17949 ACS8600216    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17951 ACS8600261    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17953 ACS8600305    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17955 ACS8600145    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17956 ACS8600118    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17958 ACS8600341    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17959 ACS8600127    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17960 ACS8600181    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17962 ACS8600083    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17965 ACS8600332    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17967 ACS8600109    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17968 ACS8600207    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17969 ACS8600047    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17970 ACS8600234    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17986 ACS8600314    | 3 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17987 ACS8600056    | 5 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17988 ACS8600403    | 4 |  | 5 <sup>n</sup>            | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>1</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)**  
**Group = PAHs (qualitative)**

|                     |            |   | Compound # (see page A-1) |                  |                  |                  |
|---------------------|------------|---|---------------------------|------------------|------------------|------------------|
| Lab #/Samp. #/Batch |            |   | 105                       | 108              | 109              | 111              |
| 17903               | ACS8600387 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17905               | ACS8600298 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17906               | ACS8600467 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17908               | ACS8600378 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17909               | ACS8600092 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17910               | ACS8600449 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17911               | ACS8600412 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17912               | ACS8600485 | 1 | 2.5 <sup>n</sup>          | 30               | 300              | 2.5 <sup>n</sup> |
| 17913               | ACS8600136 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17914               | ACS8600396 | 1 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17916               | ACS8600154 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17919               | ACS8600289 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 10               | 2.5 <sup>n</sup> |
| 17921               | ACS8600430 | 2 | 2.5 <sup>n</sup>          | 20               | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17922               | ACS8600270 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17923               | ACS8600494 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17924               | ACS8600421 | 2 | 2.5 <sup>n</sup>          | 10               | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17925               | ACS8600458 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17926               | ACS8600252 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17927               | ACS8600029 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17928               | ACS8600476 | 2 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17930               | ACS8600074 | 3 | 2.5 <sup>n</sup>          | 7                | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17931               | ACS8600190 | 3 | 2.5 <sup>n</sup>          | 10               | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17932               | ACS8600038 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17934               | ACS8600172 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17935               | ACS8600519 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17937               | ACS8600369 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17938               | ACS8600323 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17939               | ACS8600225 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17942               | ACS8600065 | 3 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17944               | ACS8600243 | 4 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17946               | ACS8600163 | 4 | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = PAHs (qualitative) (cont.)**

|                     |   |  | Compound # (see page A-1) |                  |                  |                  |
|---------------------|---|--|---------------------------|------------------|------------------|------------------|
| Lab #/Samp. #/Batch |   |  | 105                       | 108              | 109              | 111              |
| 17947 ACS8600500    | 4 |  | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17948 ACS8600350    | 4 |  | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17949 ACS8600216    | 4 |  | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17951 ACS8600261    | 4 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17953 ACS8600305    | 4 |  | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17955 ACS8600145    | 4 |  | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17956 ACS8600118    | 4 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17958 ACS8600341    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17959 ACS8600127    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17960 ACS8600181    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17962 ACS8600083    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17965 ACS8600332    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17967 ACS8600109    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17968 ACS8600207    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17969 ACS8600047    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17970 ACS8600234    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17986 ACS8600314    | 3 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17987 ACS8600056    | 5 |  | 10                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17988 ACS8600403    | 4 |  | 2.5 <sup>n</sup>          | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)**  
**Group = Other (qualitative)**

|                     |  |  | Compound # (see page A-1) |                  |                  |                  |                |                |                |                 |                |                |                  |
|---------------------|--|--|---------------------------|------------------|------------------|------------------|----------------|----------------|----------------|-----------------|----------------|----------------|------------------|
| Lab #/Samp. #/Batch |  |  | 79                        | 80               | 81               | 82               | 83             | 84             | 87             | 93              | 94             | 103            | 104              |
| 17903 ACS8600387 1  |  |  | 400                       | 20               | 30               | 60               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17905 ACS8600298 1  |  |  | 300                       | 10               | 20               | 20               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17906 ACS8600467 1  |  |  | 300                       | 2.5 <sup>n</sup> | 70               | 90               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17908 ACS8600378 1  |  |  | 500                       | 20               | 60               | 100              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17909 ACS8600092 1  |  |  | 300                       | 30               | 100              | 100              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17910 ACS8600449 1  |  |  | 400                       | 10               | 100              | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17911 ACS8600412 1  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 100              | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17912 ACS8600485 1  |  |  | 20                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 40               | 5 <sup>n</sup> | 5 <sup>n</sup> | 100            | 10 <sup>n</sup> | 100            | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17913 ACS8600136 1  |  |  | 70                        | 10               | 40               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17914 ACS8600396 1  |  |  | 400                       | 30               | 30               | 50               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17916 ACS8600154 2  |  |  | 100                       | 2.5 <sup>n</sup> | 20               | 10               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 40               |
| 17919 ACS8600289 2  |  |  | 500                       | 10               | 100              | 40               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 90               |
| 17921 ACS8600430 2  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 100              | 800              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17922 ACS8600270 2  |  |  | 200                       | 2.5 <sup>n</sup> | 20               | 90               | 5 <sup>n</sup> | 5 <sup>n</sup> | 400            | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 100              |
| 17923 ACS8600494 2  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 40               | 200              | 20             | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17924 ACS8600421 2  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 40               | 300              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 60               |
| 17925 ACS8600458 2  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 100              | 500              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17926 ACS8600252 2  |  |  | 100                       | 2.5 <sup>n</sup> | 60               | 400              | 20             | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17927 ACS8600029 2  |  |  | 70                        | 2.5 <sup>n</sup> | 100              | 2.5 <sup>n</sup> | 20             | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 80               |
| 17928 ACS8600476 2  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 60               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17930 ACS8600074 3  |  |  | 70                        | 20               | 20               | 20               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17931 ACS8600190 3  |  |  | 80                        | 20               | 30               | 20               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17932 ACS8600038 3  |  |  | 10 <sup>n</sup>           | 40               | 70               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 2.5 <sup>n</sup> |
| 17934 ACS8600172 3  |  |  | 10 <sup>n</sup>           | 30               | 100              | 60               | 5 <sup>n</sup> | 5 <sup>n</sup> | 20             | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17935 ACS8600519 3  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 30               | 10               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17937 ACS8600369 3  |  |  | 10 <sup>n</sup>           | 20               | 200              | 200              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17938 ACS8600323 3  |  |  | 10 <sup>n</sup>           | 20               | 40               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17939 ACS8600225 3  |  |  | 10 <sup>n</sup>           | 200              | 30               | 100              | 20             | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17942 ACS8600065 3  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 10               | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17944 ACS8600243 4  |  |  | 100                       | 10               | 2.5 <sup>n</sup> | 70               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |
| 17946 ACS8600163 4  |  |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 100              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup>   |

**Listing of Lipid-Adjusted Concentrations (ng/g) from the FY86 NHATS (Unadjusted for Surrogate Recoveries)  
Group = Other (qualitative) (cont.)**

|                     |   |  | Compound # (see page A-1) |                  |                  |                  |                |                |                |                 |                |                |                |
|---------------------|---|--|---------------------------|------------------|------------------|------------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|
| Lab #/Samp. #/Batch |   |  | 79                        | 80               | 81               | 82               | 83             | 84             | 87             | 93              | 94             | 103            | 104            |
| 17947 ACS8600500    | 4 |  | 50                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 30               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17948 ACS8600350    | 4 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 90               | 200              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17949 ACS8600216    | 4 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 100              | 400              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17951 ACS8600261    | 4 |  | 70                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 300              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17953 ACS8600305    | 4 |  | 60                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 40               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17955 ACS8600145    | 4 |  | 300                       | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 300              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17956 ACS8600118    | 4 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 20               | 100              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17958 ACS8600341    | 5 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 80               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17959 ACS8600127    | 5 |  | 100                       | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 90               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17960 ACS8600181    | 5 |  | 800                       | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 90               | 5 <sup>n</sup> | 5 <sup>n</sup> | 30             | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17962 ACS8600083    | 5 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 200              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17965 ACS8600332    | 5 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17967 ACS8600109    | 5 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 90               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17968 ACS8600207    | 5 |  | 30                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 400              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17969 ACS8600047    | 5 |  | 10 <sup>n</sup>           | 10               | 2.5 <sup>n</sup> | 60               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17970 ACS8600234    | 5 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 100              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17986 ACS8600314    | 3 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 30               | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17987 ACS8600056    | 5 |  | 10 <sup>n</sup>           | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 200              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |
| 17988 ACS8600403    | 4 |  | 50                        | 2.5 <sup>n</sup> | 2.5 <sup>n</sup> | 500              | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 10 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> | 5 <sup>n</sup> |

<sup>n</sup> Not detected; concentration represented by one-half the detection limit.

<sup>t</sup> Trace reading.

## **APPENDIX B**

**Listing of NHATS FY86 QC Data for Compounds Detected in  
At Least 50% of Composites (plus Octachlorobiphenyl)**

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = p,p-DDT (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 9.770         | 4.885                     | 4.885                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 9.770         | 4.885                     | 4.885                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 4.890         | 2.445                     | 2.445                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 4.010         | 2.005                     | 2.005                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 4.890         | 2.445                     | 2.445                   | LOD/2 |
|       |                |                |               |               |                           |                         |       |
| 1     | 17971          | C              | PQ            | .             | 210.000                   | 185.942                 |       |
| 2     | 17974          | C              | PQ            | .             | 240.000                   | 210.435                 |       |
| 3     | 17977          | C              | PQ            | .             | 232.000                   | 203.904                 |       |
| 4     | 17980          | C              | PQ            | .             | 259.000                   | 225.948                 |       |
| 5     | 17983          | C              | PQ            | .             | 263.000                   | 229.214                 |       |
|       |                |                |               |               |                           |                         |       |
| 1     | 17972          | S1             | PQ            | .             | 508.000                   | 444.422                 |       |
| 2     | 17975          | S1             | PQ            | .             | 456.000                   | 402.054                 |       |
| 3     | 17978          | S1             | PQ            | .             | 468.000                   | 411.417                 |       |
| 4     | 17981          | S1             | PQ            | .             | 644.000                   | 555.027                 |       |
| 5     | 17984          | S1             | PQ            | .             | 623.000                   | 538.255                 |       |
|       |                |                |               |               |                           |                         |       |
| 1     | 17973          | S2             | PQ            | .             | 254.000                   | 225.644                 |       |
| 2     | 17976          | S2             | PQ            | .             | 271.000                   | 239.411                 |       |
| 3     | 17979          | S2             | PQ            | .             | 284.000                   | 250.200                 |       |
| 4     | 17982          | S2             | PQ            | .             | 353.000                   | 306.497                 |       |
| 5     | 17985          | S2             | PQ            | .             | 333.000                   | 290.153                 |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = p,p-DDE (m/z=288) (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 10.200        | 5.100                     | 5.100                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 10.200        | 5.100                     | 5.100                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 5.090         | 2.545                     | 2.545                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 5.090         | 2.545                     | 2.545                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 5.090         | 2.545                     | 2.545                   | LOD/2 |
|       |                |                |               |               |                           |                         |       |
| 1     | 17971          | C              | PQ            | .             | 3000.00                   | 2652.68                 | 1     |
| 2     | 17974          | C              | PQ            | .             | 2170.00                   | 1975.03                 | 1     |
| 3     | 17977          | C              | PQ            | .             | 1980.00                   | 1819.90                 | 1     |
| 4     | 17980          | C              | PQ            | .             | 5100.00                   | 4367.22                 | 1     |
| 5     | 17983          | C              | PQ            | .             | 4750.00                   | 4081.47                 | 1     |
|       |                |                |               |               |                           |                         |       |
| 1     | 17972          | S1             | PQ            | .             | 2750.00                   | 2469.79                 | 1     |
| 2     | 17975          | S1             | PQ            | .             | 1580.00                   | 1514.67                 | 1     |
| 3     | 17978          | S1             | PQ            | .             | 1230.00                   | 1228.30                 | 1     |
| 4     | 17981          | S1             | PQ            | .             | 5390.00                   | 4624.61                 | 1     |
| 5     | 17984          | S1             | PQ            | .             | 5300.00                   | 4551.65                 | 1     |
|       |                |                |               |               |                           |                         |       |
| 1     | 17973          | S2             | PQ            | .             | 1370.00                   | 1327.15                 | 1     |
| 2     | 17976          | S2             | PQ            | .             | 2390.00                   | 2159.77                 | 1     |
| 3     | 17979          | S2             | PQ            | .             | 1900.00                   | 1759.96                 | 1     |
| 4     | 17982          | S2             | PQ            | .             | 5120.00                   | 4388.87                 | 1     |
| 5     | 17985          | S2             | PQ            | .             | 4610.00                   | 3972.46                 | 1     |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = p,p-DDE (m/z=316) (spiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 10.200     | 5.100               | .                 | LOD/2 |
| 2     | 17915       | MB          | ND         | 10.200     | 5.100               | .                 | LOD/2 |
| 3     | 17929       | MB          | ND         | 5.090      | 2.545               | .                 | LOD/2 |
| 4     | 17943       | MB          | ND         | 5.090      | 2.545               | .                 | LOD/2 |
| 5     | 17957       | MB          | ND         | 5.090      | 2.545               | .                 | LOD/2 |
| 1     | 17971       | C           | PQ         | .          | 2860.00             | 2525.03           | 1     |
| 2     | 17974       | C           | PQ         | .          | 2070.00             | 1880.04           | 1     |
| 3     | 17977       | C           | PQ         | .          | 1100.00             | 1088.08           | 1     |
| 4     | 17980       | C           | PQ         | .          | 5150.00             | 4394.70           | 1     |
| 5     | 17983       | C           | PQ         | .          | 4410.00             | 3790.53           | 1     |
| 1     | 17972       | S1          | PQ         | .          | 2760.00             | 2443.39           | 1     |
| 2     | 17975       | S1          | PQ         | .          | 1530.00             | 1439.16           | 1     |
| 3     | 17978       | S1          | PQ         | .          | 623.000             | 698.637           | 1     |
| 4     | 17981       | S1          | PQ         | .          | 5420.00             | 4615.14           | 1     |
| 5     | 17984       | S1          | PQ         | .          | 4840.00             | 4141.60           | 1     |
| 1     | 17973       | S2          | PQ         | .          | 1340.00             | 1284.03           | 1     |
| 2     | 17976       | S2          | PQ         | .          | 2250.00             | 2027.00           | 1     |
| 3     | 17979       | S2          | PQ         | .          | 1750.00             | 1618.77           | 1     |
| 4     | 17982       | S2          | PQ         | .          | 5130.00             | 4378.37           | 1     |
| 5     | 17985       | S2          | PQ         | .          | 4330.00             | 3725.21           | 1     |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = HEPTACHLOR EPOXIDE (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 9.780         | 4.890                     | 4.890                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 9.780         | 4.890                     | 4.890                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 4.890         | 2.445                     | 2.445                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 4.890         | 2.445                     | 2.445                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 4.890         | 2.445                     | 2.445                   | LOD/2 |
| 1     | 17971          | C              | PQ            | .             | 66.700                    | 56.412                  |       |
| 2     | 17974          | C              | PQ            | .             | 117.000                   | 92.211                  |       |
| 3     | 17977          | C              | PQ            | .             | 129.000                   | 100.751                 |       |
| 4     | 17980          | C              | PQ            | .             | 131.000                   | 102.174                 |       |
| 5     | 17983          | C              | PQ            | .             | 144.000                   | 111.427                 |       |
| 1     | 17972          | S1             | PQ            | .             | 241.000                   | 193.800                 |       |
| 2     | 17975          | S1             | PQ            | .             | 255.000                   | 203.840                 |       |
| 3     | 17978          | S1             | PQ            | .             | 209.000                   | 170.720                 |       |
| 4     | 17981          | S1             | PQ            | .             | 344.000                   | 266.725                 |       |
| 5     | 17984          | S1             | PQ            | .             | 353.000                   | 273.458                 |       |
| 1     | 17973          | S2             | PQ            | .             | 125.000                   | 101.226                 |       |
| 2     | 17976          | S2             | PQ            | .             | 146.000                   | 116.073                 |       |
| 3     | 17979          | S2             | PQ            | .             | 204.000                   | 157.505                 |       |
| 4     | 17982          | S2             | PQ            | .             | 199.000                   | 153.914                 |       |
| 5     | 17985          | S2             | PQ            | .             | 192.000                   | 148.918                 |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = TRANS-NONACHLOR (spiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 10.000     | 5.000               | 5.000             | LOD/2 |
| 2     | 17915       | MB          | ND         | 10.000     | 5.000               | 5.000             | LOD/2 |
| 3     | 17929       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 4     | 17943       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 5     | 17957       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
|       |             |             |            |            |                     |                   |       |
| 1     | 17971       | C           | PQ         | .          | 174.000             | 157.942           |       |
| 2     | 17974       | C           | PQ         | .          | 168.000             | 153.043           |       |
| 3     | 17977       | C           | PQ         | .          | 541.000             | 457.579           |       |
| 4     | 17980       | C           | PQ         | .          | 251.000             | 220.809           |       |
| 5     | 17983       | C           | PQ         | .          | 227.000             | 201.214           |       |
|       |             |             |            |            |                     |                   |       |
| 1     | 17972       | S1          | PQ         | .          | 434.000             | 385.973           |       |
| 2     | 17975       | S1          | PQ         | .          | 85.000              | 101.123           |       |
| 3     | 17978       | S1          | PQ         | .          | 309.000             | 283.557           |       |
| 4     | 17981       | S1          | PQ         | .          | 562.000             | 490.030           |       |
| 5     | 17984       | S1          | PQ         | .          | 566.000             | 493.683           |       |
|       |             |             |            |            |                     |                   |       |
| 1     | 17973       | S2          | PQ         | .          | 137.000             | 131.655           |       |
| 2     | 17976       | S2          | PQ         | .          | 235.000             | 211.550           |       |
| 3     | 17979       | S2          | PQ         | .          | 362.000             | 315.421           |       |
| 4     | 17982       | S2          | PQ         | .          | 316.000             | 277.825           |       |
| 5     | 17985       | S2          | PQ         | .          | 276.000             | 245.151           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = BETA-BHC (unspiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 11.300        | 5.650                     | 5.650                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 11.300        | 5.650                     | 5.650                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 5.630         | 2.815                     | 2.815                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 5.630         | 2.815                     | 2.815                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 5.630         | 2.815                     | 2.815                   | LOD/2 |
| 1     | 17971          | C              | ND            | 11.600        | 5.800                     | 19.842                  | LOD/2 |
| 1     | 17972          | S1             | PQ            | .             | 202.000                   | 180.029                 |       |
| 1     | 17973          | S2             | PQ            | .             | 277.000                   | 241.262                 |       |
| 2     | 17974          | C              | PQ            | .             | 476.000                   | 403.736                 |       |
| 2     | 17975          | S1             | ND            | 11.500        | 5.750                     | 19.801                  | LOD/2 |
| 2     | 17976          | S2             | PQ            | .             | 425.000                   | 362.097                 |       |
| 3     | 17977          | C              | PQ            | .             | 403.000                   | 344.135                 |       |
| 3     | 17978          | S1             | ND            | 5.590         | 2.795                     | 17.388                  | LOD/2 |
| 3     | 17979          | S2             | ND            | 5.780         | 2.890                     | 17.466                  | LOD/2 |
| 4     | 17980          | C              | PQ            | .             | 342.000                   | 294.332                 |       |
| 4     | 17981          | S1             | PQ            | .             | 374.000                   | 320.458                 |       |
| 4     | 17982          | S2             | PQ            | .             | 369.000                   | 316.376                 |       |
| 5     | 17983          | C              | PQ            | .             | 329.000                   | 283.718                 |       |
| 5     | 17984          | S1             | PQ            | .             | 393.000                   | 335.970                 |       |
| 5     | 17985          | S2             | PQ            | .             | 35.200                    | 43.845                  |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = OXYCHLORDANE (unspiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 11.900     | 5.950               | 5.950             | LOD/2 |
| 2     | 17915       | MB          | ND         | 11.900     | 5.950               | 5.950             | LOD/2 |
| 3     | 17929       | MB          | ND         | 5.950      | 2.975               | 2.975             | LOD/2 |
| 4     | 17943       | MB          | ND         | 5.950      | 2.975               | 2.975             | LOD/2 |
| 5     | 17957       | MB          | ND         | 5.850      | 2.925               | 2.925             | LOD/2 |
| 1     | 17971       | C           | ND         | 12.200     | 6.100               | 12.475            | LOD/2 |
| 1     | 17972       | S1          | ND         | 12.100     | 6.050               | 12.435            | LOD/2 |
| 1     | 17973       | S2          | ND         | 12.000     | 6.000               | 12.394            | LOD/2 |
| 2     | 17974       | C           | PQ         | .          | 150.000             | 129.962           |       |
| 2     | 17975       | S1          | ND         | 12.200     | 6.100               | 12.475            | LOD/2 |
| 2     | 17976       | S2          | PQ         | .          | 162.000             | 139.760           |       |
| 3     | 17977       | C           | PQ         | .          | 175.000             | 150.374           |       |
| 3     | 17978       | S1          | PQ         | .          | 149.000             | 129.146           |       |
| 3     | 17979       | S2          | PQ         | .          | 135.000             | 117.716           |       |
| 4     | 17980       | C           | PQ         | .          | 143.000             | 124.247           |       |
| 4     | 17981       | S1          | PQ         | .          | 180.000             | 154.456           |       |
| 4     | 17982       | S2          | PQ         | .          | 188.000             | 160.987           |       |
| 5     | 17983       | C           | PQ         | .          | 151.000             | 130.779           |       |
| 5     | 17984       | S1          | PQ         | .          | 184.000             | 157.722           |       |
| 5     | 17985       | S2          | PQ         | .          | 166.000             | 143.026           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.  
1=Concentration is above the upper calibration limit  
3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = DIELDRIN (CORRECTED) (spiked compound)  
Fraction = 50%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | .             | 24.200                    | .                       | LOD/2 |
| 2     | 17915          | MB             | ND            | .             | 24.200                    | .                       | LOD/2 |
| 3     | 17929          | MB             | ND            | .             | 24.200                    | .                       | LOD/2 |
| 4     | 17943          | MB             | .             | .             | .                         | .                       | 3     |
| 5     | 17957          | MB             | ND            | .             | 24.200                    | .                       | LOD/2 |
| 1     | 17971          | C              | ND            | .             | 24.850                    | 24.919                  | LOD/2 |
| 2     | 17974          | C              | TR            | .             | 60.500                    | 54.026                  |       |
| 3     | 17977          | C              | PQ            | .             | 32.500                    | 31.165                  |       |
| 4     | 17980          | C              | PQ            | .             | 32.900                    | 31.492                  |       |
| 5     | 17983          | C              | PQ            | .             | 165.000                   | 139.344                 |       |
| 1     | 17972          | S1             | PQ            | .             | 41.000                    | 38.105                  |       |
| 2     | 17975          | S1             | PQ            | .             | 183.000                   | 154.040                 |       |
| 3     | 17978          | S1             | PQ            | .             | 229.000                   | 191.597                 |       |
| 4     | 17981          | S1             | PQ            | .             | 142.000                   | 120.566                 |       |
| 5     | 17984          | S1             | PQ            | .             | 383.000                   | 317.330                 |       |
| 1     | 17973          | S2             | ND            | .             | 24.450                    | 24.593                  | LOD/2 |
| 2     | 17976          | S2             | PQ            | .             | 136.000                   | 115.667                 |       |
| 3     | 17979          | S2             | PQ            | .             | 145.000                   | 123.015                 |       |
| 4     | 17982          | S2             | TR            | .             | 25.500                    | 25.450                  |       |
| 5     | 17985          | S2             | PQ            | .             | 274.000                   | 228.337                 |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = 1,4-DICHLOROBENZENE (spiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 8.590      | 4.295               | 4.295             | LOD/2 |
| 2     | 17915       | MB          | ND         | 8.590      | 4.295               | 4.295             | LOD/2 |
| 3     | 17929       | MB          | ND         | 4.300      | 2.150               | 2.150             | LOD/2 |
| 4     | 17943       | MB          | ND         | 4.300      | 2.150               | 2.150             | LOD/2 |
| 5     | 17957       | MB          | ND         | 4.300      | 2.150               | 2.150             | LOD/2 |
| 1     | 17971       | C           | PQ         | .          | 99.000              | 131.002           |       |
| 2     | 17974       | C           | PQ         | .          | 87.500              | 116.881           |       |
| 3     | 17977       | C           | PQ         | .          | 166.000             | 213.273           |       |
| 4     | 17980       | C           | PQ         | .          | 118.000             | 154.333           |       |
| 5     | 17983       | C           | PQ         | .          | 212.000             | 269.757           |       |
| 1     | 17972       | S1          | PQ         | .          | 353.000             | 529.199           |       |
| 2     | 17975       | S1          | PQ         | .          | 652.000             | 896.843           |       |
| 3     | 17978       | S1          | PQ         | .          | 522.000             | 734.744           |       |
| 4     | 17981       | S1          | PQ         | .          | 760.000             | 1026.50           |       |
| 5     | 17984       | S1          | PQ         | .          | 892.000             | 1190.71           |       |
| 1     | 17973       | S2          | PQ         | .          | 207.000             | 285.079           |       |
| 2     | 17976       | S2          | PQ         | .          | 227.000             | 309.002           |       |
| 3     | 17979       | S2          | TR         | 4.410      | 6.500               | 39.237            |       |
| 4     | 17982       | S2          | PQ         | .          | 251.000             | 339.250           |       |
| 5     | 17985       | S2          | PQ         | .          | 269.000             | 361.264           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = HEXACHLOROBENZENE (spiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 9.810      | 4.905               | 4.905             | LOD/2 |
| 2     | 17915       | MB          | ND         | 9.810      | 4.905               | 4.905             | LOD/2 |
| 3     | 17929       | MB          | ND         | 4.910      | 2.455               | 2.455             | LOD/2 |
| 4     | 17943       | MB          | ND         | 4.910      | 2.455               | 2.455             | LOD/2 |
| 5     | 17957       | MB          | ND         | 4.910      | 2.455               | 2.455             | LOD/2 |
|       |             |             |            |            |                     |                   |       |
| 1     | 17971       | C           | PQ         | .          | 75.200              | 75.242            |       |
| 2     | 17974       | C           | PQ         | .          | 66.600              | 67.098            |       |
| 3     | 17977       | C           | PQ         | .          | 76.300              | 76.284            |       |
| 4     | 17980       | C           | PQ         | .          | 68.400              | 68.803            |       |
| 5     | 17983       | C           | PQ         | .          | 69.800              | 70.128            |       |
|       |             |             |            |            |                     |                   |       |
| 1     | 17972       | S1          | PQ         | .          | 264.000             | 265.663           |       |
| 2     | 17975       | S1          | PQ         | .          | 292.000             | 292.245           |       |
| 3     | 17978       | S1          | PQ         | .          | 253.000             | 254.980           |       |
| 4     | 17981       | S1          | PQ         | .          | 310.000             | 308.893           |       |
| 5     | 17984       | S1          | PQ         | .          | 300.000             | 299.709           |       |
|       |             |             |            |            |                     |                   |       |
| 1     | 17973       | S2          | PQ         | .          | 82.500              | 85.050            |       |
| 2     | 17976       | S2          | PQ         | .          | 112.000             | 112.900           |       |
| 3     | 17979       | S2          | PQ         | .          | 125.000             | 125.345           |       |
| 4     | 17982       | S2          | PQ         | .          | 145.000             | 144.256           |       |
| 5     | 17985       | S2          | PQ         | .          | 126.000             | 126.251           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = NAPHTHALENE (unspiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 9.690         | 4.845                     | 4.845                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 9.690         | 4.845                     | 4.845                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 4.850         | 2.425                     | 2.425                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 4.850         | 2.425                     | 2.425                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 4.850         | 2.425                     | 2.425                   | LOD/2 |
| 1     | 17971          | C              | TR            | 10.100        | 15.500                    | 15.220                  |       |
| 1     | 17972          | S1             | ND            | 9.850         | 4.925                     | 5.007                   | LOD/2 |
| 1     | 17973          | S2             | TR            | 10.300        | 14.200                    | 13.964                  |       |
| 2     | 17974          | C              | ND            | 9.650         | 4.825                     | 4.910                   | LOD/2 |
| 2     | 17975          | S1             | PQ            | .             | 11.500                    | 11.357                  |       |
| 2     | 17976          | S2             | PQ            | .             | 9.720                     | 9.638                   |       |
| 3     | 17977          | C              | PQ            | .             | 13.700                    | 13.482                  |       |
| 3     | 17978          | S1             | ND            | 4.810         | 2.405                     | 2.573                   | LOD/2 |
| 3     | 17979          | S2             | ND            | 4.980         | 2.490                     | 2.655                   | LOD/2 |
| 4     | 17980          | C              | PQ            | .             | 10.600                    | 10.488                  |       |
| 4     | 17981          | S1             | PQ            | .             | 12.500                    | 12.323                  |       |
| 4     | 17982          | S2             | PQ            | .             | 12.500                    | 12.323                  |       |
| 5     | 17983          | C              | PQ            | .             | 10.900                    | 10.777                  |       |
| 5     | 17984          | S1             | PQ            | .             | 11.800                    | 11.647                  |       |
| 5     | 17985          | S2             | PQ            | .             | 9.690                     | 9.609                   |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = DI-N-BUTYL PHTHALATE (unspiked compound)  
Fraction = 50%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | PQ            | .             | 44.900                    | 44.900                  |       |
| 2     | 17915          | MB             | ND            | 9.090         | 4.545                     | 4.545                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 9.090         | 4.545                     | 4.545                   | LOD/2 |
| 4     | 17943          | MB             |               | 9.090         | .                         | .                       | 3     |
| 5     | 17957          | MB             | PQ            | .             | 13.700                    | 13.700                  |       |
| 1     | 17971          | C              | ND            | 24.100        | 12.050                    | 13.481                  | LOD/2 |
| 1     | 17972          | S1             | ND            | 24.300        | 12.150                    | 13.571                  | LOD/2 |
| 1     | 17973          | S2             | PQ            | .             | 46.000                    | 44.062                  |       |
| 2     | 17974          | C              | PQ            | .             | 58.000                    | 54.871                  |       |
| 2     | 17975          | S1             | ND            | 18.600        | 9.300                     | 11.004                  | LOD/2 |
| 2     | 17976          | S2             | PQ            | .             | 71.700                    | 67.211                  |       |
| 3     | 17977          | C              | ND            | 27.500        | 13.750                    | 15.012                  | LOD/2 |
| 3     | 17978          | S1             | ND            | 18.100        | 9.050                     | 10.778                  | LOD/2 |
| 3     | 17979          | S2             | ND            | 18.700        | 9.350                     | 11.049                  | LOD/2 |
| 4     | 17980          | C              | PQ            | .             | 57.700                    | 54.600                  |       |
| 4     | 17981          | S1             | PQ            | .             | 62.500                    | 58.924                  |       |
| 4     | 17982          | S2             | PQ            | .             | 78.600                    | 73.426                  |       |
| 5     | 17983          | C              | PQ            | .             | 20.200                    | 20.822                  |       |
| 5     | 17984          | S1             | PQ            | .             | 54.600                    | 51.808                  |       |
| 5     | 17985          | S2             | PQ            | .             | 104.000                   | 96.306                  |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = BUTYL BENZYL PHTHALATE (spiked compound)  
Fraction = 50%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | PQ         | .          | 29.100              | 29.100            |       |
| 2     | 17915       | MB          | ND         | 10.100     | 5.050               | 5.050             | LOD/2 |
| 3     | 17929       | MB          | ND         | 10.100     | 5.050               | 5.050             | LOD/2 |
| 4     | 17943       | MB          |            | 10.100     | .                   | .                 | 3     |
| 5     | 17957       | MB          | PQ         | .          | 14.000              | 14.000            |       |
| 1     | 17971       | C           | ND         | 21.100     | 10.550              | 12.881            | LOD/2 |
| 2     | 17974       | C           | PQ         | .          | 75.000              | 70.935            |       |
| 3     | 17977       | C           | ND         | 30.500     | 15.250              | 17.115            | LOD/2 |
| 4     | 17980       | C           | PQ         | .          | 70.100              | 66.521            |       |
| 5     | 17983       | C           | PQ         | .          | 13.700              | 15.718            |       |
| 1     | 17972       | S1          | PQ         | .          | 52.300              | 65.644            |       |
| 2     | 17975       | S1          | PQ         | .          | 215.000             | 212.285           |       |
| 3     | 17978       | S1          | PQ         | .          | 57.400              | 69.891            |       |
| 4     | 17981       | S1          | PQ         | .          | 333.000             | 318.056           |       |
| 5     | 17984       | S1          | PQ         | .          | 244.000             | 238.261           |       |
| 1     | 17973       | S2          | PQ         | .          | 97.100              | 94.611            |       |
| 2     | 17976       | S2          | PQ         | .          | 153.000             | 144.852           |       |
| 3     | 17979       | S2          | ND         | 20.700     | 10.350              | 16.532            | LOD/2 |
| 4     | 17982       | S2          | PQ         | .          | 156.000             | 147.691           |       |
| 5     | 17985       | S2          | PQ         | .          | 123.000             | 117.950           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = BIS (2-ETHYLHEXYL) PHTHALATE (unspiked compound)  
Fraction = 50%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | PQ         | .          | 205.000             | 205.000           |       |
| 2     | 17915       | MB          | PQ         | .          | 581.000             | 581.000           |       |
| 3     | 17929       | MB          | PQ         | .          | 288.000             | 288.000           |       |
| 4     | 17943       | MB          |            | 10.000     | .                   | .                 | 3     |
| 5     | 17957       | MB          | PQ         | .          | 15.400              | 15.400            |       |
| 1     | 17971       | C           | PQ         | .          | 57.800              | 72.462            |       |
| 1     | 17972       | S1          | PQ         | .          | 83.100              | 95.252            |       |
| 1     | 17973       | S2          | PQ         | .          | 1170.00             | 1074.29           |       |
| 2     | 17974       | C           | PQ         | .          | 560.000             | 524.825           |       |
| 2     | 17975       | S1          | PQ         | .          | 45.600              | 61.473            |       |
| 2     | 17976       | S2          | PQ         | .          | 97.000              | 107.772           |       |
| 3     | 17977       | C           | PQ         | .          | 222.000             | 220.367           |       |
| 3     | 17978       | S1          | PQ         | .          | 55.400              | 70.301            |       |
| 3     | 17979       | S2          | PQ         | .          | 293.000             | 284.322           |       |
| 4     | 17980       | C           | PQ         | .          | 34.200              | 51.204            |       |
| 4     | 17981       | S1          | ND         | 19.700     | 9.850               | 29.271            | LOD/2 |
| 4     | 17982       | S2          | PQ         | .          | 151.000             | 156.413           |       |
| 5     | 17983       | C           | PQ         | .          | 348.000             | 333.863           |       |
| 5     | 17984       | S1          | ND         | 20.200     | 10.100              | 29.496            | LOD/2 |
| 5     | 17985       | S2          | PQ         | .          | 1670.00             | 1524.67           | 1     |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = TETRACHLOROBIPHENYLS (spiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 8.000      | 4.000               | 4.000             | LOD/2 |
| 2     | 17915       | MB          | ND         | 8.000      | 4.000               | 4.000             | LOD/2 |
| 3     | 17929       | MB          | ND         | 8.000      | 4.000               | 4.000             | LOD/2 |
| 4     | 17943       | MB          | ND         | 8.000      | 4.000               | 4.000             | LOD/2 |
| 5     | 17957       | MB          | ND         | 8.000      | 4.000               | 4.000             | LOD/2 |
| 1     | 17971       | C           | ND         | 80.700     | 40.350              | 35.748            | LOD/2 |
| 2     | 17974       | C           | PQ         | .          | 124.000             | 97.682            |       |
| 3     | 17977       | C           | PQ         | .          | 123.000             | 96.942            |       |
| 4     | 17980       | C           | PQ         | .          | 117.000             | 92.500            |       |
| 5     | 17983       | C           | PQ         | .          | 134.000             | 105.086           |       |
| 1     | 17972       | S1          | PQ         | .          | 551.000             | 453.460           |       |
| 2     | 17975       | S1          | PQ         | .          | 620.000             | 504.775           |       |
| 3     | 17978       | S1          | PQ         | .          | 613.000             | 498.458           |       |
| 4     | 17981       | S1          | PQ         | .          | 895.000             | 707.026           |       |
| 5     | 17984       | S1          | PQ         | .          | 938.000             | 739.838           |       |
| 1     | 17973       | S2          | PQ         | .          | 205.000             | 167.544           |       |
| 2     | 17976       | S2          | PQ         | .          | 249.000             | 199.828           |       |
| 3     | 17979       | S2          | PQ         | .          | 175.000             | 145.496           |       |
| 4     | 17982       | S2          | PQ         | .          | 324.000             | 255.716           |       |
| 5     | 17985       | S2          | PQ         | .          | 348.000             | 273.445           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = PENTACHLOROBIPHENYLS (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 17.200        | 8.600                     | 8.600                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 17.200        | 8.600                     | 8.600                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 17.200        | 8.600                     | 8.600                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 17.200        | 8.600                     | 8.600                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 17.200        | 8.600                     | 8.600                   | LOD/2 |
| 1     | 17971          | C              | PQ            | .             | 67.100                    | 67.483                  |       |
| 2     | 17974          | C              | PQ            | .             | 303.000                   | 247.165                 |       |
| 3     | 17977          | C              | PQ            | .             | 329.000                   | 266.969                 |       |
| 4     | 17980          | C              | PQ            | .             | 325.000                   | 263.923                 |       |
| 5     | 17983          | C              | PQ            | .             | 142.000                   | 124.533                 |       |
| 1     | 17972          | S1             | PQ            | .             | 466.000                   | 427.195                 |       |
| 2     | 17975          | S1             | PQ            | .             | 531.000                   | 477.026                 |       |
| 3     | 17978          | S1             | PQ            | .             | 795.000                   | 676.513                 |       |
| 4     | 17981          | S1             | PQ            | .             | 1120.00                   | 923.749                 |       |
| 5     | 17984          | S1             | PQ            | .             | 1232.00                   | 1010.43                 |       |
| 1     | 17973          | S2             | PQ            | .             | 270.000                   | 235.967                 |       |
| 2     | 17976          | S2             | PQ            | .             | 281.000                   | 243.932                 |       |
| 3     | 17979          | S2             | PQ            | .             | 187.000                   | 172.977                 |       |
| 4     | 17982          | S2             | PQ            | .             | 438.000                   | 364.023                 |       |
| 5     | 17985          | S2             | PQ            | .             | 736.000                   | 590.950                 |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = HEXACHLOROBIPHENYLS (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 17.800        | 8.900                     | 8.900                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 17.800        | 8.900                     | 8.900                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 17.800        | 8.900                     | 8.900                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 17.800        | 8.900                     | 8.900                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 17.800        | 8.900                     | 8.900                   | LOD/2 |
| 1     | 17971          | C              | PQ            | .             | 1100.00                   | 923.747                 |       |
| 2     | 17974          | C              | PQ            | .             | 1361.00                   | 1122.55                 |       |
| 3     | 17977          | C              | PQ            | .             | 1224.00                   | 1018.20                 | 1     |
| 4     | 17980          | C              | PQ            | .             | 1261.00                   | 1046.38                 | 1     |
| 5     | 17983          | C              | PQ            | .             | 1331.00                   | 1099.70                 | 1     |
| 1     | 17972          | S1             | PQ            | .             | 1460.00                   | 1243.17                 |       |
| 2     | 17975          | S1             | PQ            | .             | 1606.00                   | 1354.64                 |       |
| 3     | 17978          | S1             | PQ            | .             | 1572.00                   | 1327.45                 | 1     |
| 4     | 17981          | S1             | PQ            | .             | 1379.00                   | 1180.19                 | 1     |
| 5     | 17984          | S1             | PQ            | .             | 1545.00                   | 1307.74                 | 1     |
| 1     | 17973          | S2             | PQ            | .             | 1208.00                   | 1017.30                 |       |
| 2     | 17976          | S2             | PQ            | .             | 1237.00                   | 1039.05                 |       |
| 3     | 17979          | S2             | PQ            | .             | 1130.00                   | 958.072                 | 1     |
| 4     | 17982          | S2             | PQ            | .             | 1315.00                   | 1098.87                 | 1     |
| 5     | 17985          | S2             | PQ            | .             | 1328.00                   | 1108.73                 | 1     |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = HEPTACHLOROBIPHENYLS (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 18.300        | 9.150                     | 9.150                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 18.300        | 9.150                     | 9.150                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 18.300        | 9.150                     | 9.150                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 18.300        | 9.150                     | 9.150                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 18.300        | 9.150                     | 9.150                   | LOD/2 |
| 1     | 17971          | C              | PQ            | .             | 566.000                   | 489.736                 |       |
| 2     | 17974          | C              | PQ            | .             | 948.000                   | 780.702                 |       |
| 3     | 17977          | C              | PQ            | .             | 1029.00                   | 842.399                 |       |
| 4     | 17980          | C              | PQ            | .             | 665.000                   | 565.144                 |       |
| 5     | 17983          | C              | PQ            | .             | 866.000                   | 718.243                 |       |
| 1     | 17972          | S1             | PQ            | .             | 1577.00                   | 1371.55                 |       |
| 2     | 17975          | S1             | PQ            | .             | 1766.00                   | 1516.15                 |       |
| 3     | 17978          | S1             | PQ            | .             | 1848.00                   | 1575.42                 | 1     |
| 4     | 17981          | S1             | PQ            | .             | 2465.00                   | 2044.75                 | 1     |
| 5     | 17984          | S1             | PQ            | .             | 2676.00                   | 2208.22                 | 1     |
| 1     | 17973          | S2             | PQ            | .             | 1021.00                   | 864.094                 |       |
| 2     | 17976          | S2             | PQ            | .             | 1249.00                   | 1036.94                 |       |
| 3     | 17979          | S2             | PQ            | .             | 1373.00                   | 1132.67                 |       |
| 4     | 17982          | S2             | PQ            | .             | 1055.00                   | 890.176                 |       |
| 5     | 17985          | S2             | PQ            | .             | 1146.00                   | 959.375                 |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = OCTACHLOROBIPHENYLS (spiked compound)  
Fraction = 6%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 17.800     | 8.900               | 8.900             | LOD/2 |
| 2     | 17915       | MB          | ND         | 17.800     | 8.900               | 8.900             | LOD/2 |
| 3     | 17929       | MB          | ND         | 17.800     | 8.900               | 8.900             | LOD/2 |
| 4     | 17943       | MB          | ND         | 17.800     | 8.900               | 8.900             | LOD/2 |
| 5     | 17957       | MB          | ND         | 17.800     | 8.900               | 8.900             | LOD/2 |
| 1     | 17971       | C           | PQ         | .          | 97.100              | 90.918            |       |
| 2     | 17974       | C           | PQ         | .          | 280.000             | 231.291           |       |
| 3     | 17977       | C           | PQ         | .          | 146.000             | 128.448           |       |
| 4     | 17980       | C           | PQ         | .          | 219.000             | 184.475           |       |
| 5     | 17983       | C           | PQ         | .          | 80.600              | 78.254            |       |
| 1     | 17972       | S1          | PQ         | .          | 931.000             | 873.608           |       |
| 2     | 17975       | S1          | PQ         | .          | 1773.00             | 1520.65           |       |
| 3     | 17978       | S1          | PQ         | .          | 1533.00             | 1332.37           |       |
| 4     | 17981       | S1          | PQ         | .          | 2324.00             | 1938.65           | 1     |
| 5     | 17984       | S1          | PQ         | .          | 2429.00             | 2022.75           | 1     |
| 1     | 17973       | S2          | PQ         | .          | 365.000             | 332.060           |       |
| 2     | 17976       | S2          | PQ         | .          | 549.000             | 472.226           |       |
| 3     | 17979       | S2          | PQ         | .          | 775.000             | 647.320           |       |
| 4     | 17982       | S2          | PQ         | .          | 690.000             | 581.730           |       |
| 5     | 17985       | S2          | PQ         | .          | 747.000             | 625.330           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = O-CYMENE (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 10.200        | 5.100                     | 5.100                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 10.200        | 5.100                     | 5.100                   | LOD/2 |
| 3     | 17929          | MB             | ND            | 5.100         | 2.550                     | 2.550                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 5.100         | 2.550                     | 2.550                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 5.100         | 2.550                     | 2.550                   | LOD/2 |
|       |                |                |               |               |                           |                         |       |
| 1     | 17971          | C              | ND            | 10.500        | 5.250                     | 5.140                   | LOD/2 |
| 2     | 17974          | C              | ND            | 10.100        | 5.050                     | 4.960                   | LOD/2 |
| 3     | 17977          | C              | PQ            | .             | 19.000                    | 17.525                  |       |
| 4     | 17980          | C              | PQ            | .             | 11.400                    | 10.679                  |       |
| 5     | 17983          | C              | PQ            | .             | 18.300                    | 16.895                  |       |
|       |                |                |               |               |                           |                         |       |
| 1     | 17972          | S1             | PQ            | .             | 77.000                    | 88.547                  |       |
| 2     | 17975          | S1             | PQ            | .             | 15.300                    | 33.077                  |       |
| 3     | 17978          | S1             | PQ            | .             | 105.000                   | 113.338                 |       |
| 4     | 17981          | S1             | PQ            | .             | 13.500                    | 30.813                  |       |
| 5     | 17984          | S1             | PQ            | .             | 14.500                    | 32.176                  |       |
|       |                |                |               |               |                           |                         |       |
| 1     | 17973          | S2             | ND            | 10.300        | 5.150                     | 9.719                   | LOD/2 |
| 2     | 17976          | S2             | TR            | 9.990         | 10.800                    | 14.670                  |       |
| 3     | 17979          | S2             | ND            | 5.230         | 2.615                     | 7.513                   | LOD/2 |
| 4     | 17982          | S2             | PQ            | .             | 11.300                    | 15.290                  |       |
| 5     | 17985          | S2             | PQ            | .             | 13.100                    | 16.892                  |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = D-LIMONENE (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 10.200        | 5.100                     | 5.100                   | LOD/2 |
| 2     | 17915          | MB             | PQ            | .             | 27.900                    | 27.900                  |       |
| 3     | 17929          | MB             | ND            | 5.120         | 2.560                     | 2.560                   | LOD/2 |
| 4     | 17943          | MB             | ND            | 5.120         | 2.560                     | 2.560                   | LOD/2 |
| 5     | 17957          | MB             | PQ            | .             | 19.500                    | 19.500                  |       |
| 1     | 17971          | C              | PQ            | .             | 92.900                    | 90.572                  |       |
| 2     | 17974          | C              | PQ            | .             | 85.400                    | 83.817                  |       |
| 3     | 17977          | C              | PQ            | .             | 186.000                   | 174.433                 |       |
| 4     | 17980          | C              | PQ            | .             | 112.000                   | 107.777                 |       |
| 5     | 17983          | C              | PQ            | .             | 164.000                   | 154.616                 |       |
| 1     | 17972          | S1             | PQ            | .             | 134.000                   | 143.621                 |       |
| 2     | 17975          | S1             | PQ            | .             | 239.000                   | 238.293                 |       |
| 3     | 17978          | S1             | PQ            | .             | 193.000                   | 196.400                 |       |
| 4     | 17981          | S1             | PQ            | .             | 285.000                   | 279.180                 |       |
| 5     | 17984          | S1             | PQ            | .             | 261.000                   | 257.955                 |       |
| 1     | 17973          | S2             | PQ            | .             | 120.000                   | 118.972                 |       |
| 2     | 17976          | S2             | PQ            | .             | 117.000                   | 116.151                 |       |
| 3     | 17979          | S2             | TR            | 5.260         | 7.530                     | 17.729                  |       |
| 4     | 17982          | S2             | PQ            | .             | 150.000                   | 146.021                 |       |
| 5     | 17985          | S2             | PQ            | .             | 148.000                   | 144.203                 |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = OCTAMETHYL-CYCLOTETRASILOXANE (spiked compound)  
Fraction = 6%**

| Batch | Lab.<br>Number | Sample<br>Type | Data<br>Qual. | LOD<br>(ng/g) | Unadj.<br>Conc.<br>(ng/g) | Adj.<br>Conc.<br>(ng/g) |       |
|-------|----------------|----------------|---------------|---------------|---------------------------|-------------------------|-------|
| 1     | 17901          | MB             | ND            | 11.300        | 5.650                     | 5.650                   | LOD/2 |
| 2     | 17915          | MB             | ND            | 11.300        | 5.650                     | 5.650                   | LOD/2 |
| 3     | 17929          | MB             | PQ            | .             | 156.000                   | 156.000                 |       |
| 4     | 17943          | MB             | ND            | 5.640         | 2.820                     | 2.820                   | LOD/2 |
| 5     | 17957          | MB             | ND            | 5.640         | 2.820                     | 2.820                   | LOD/2 |
|       |                |                |               |               |                           |                         |       |
| 1     | 17971          | C              | ND            | 11.600        | 5.800                     | 5.374                   | LOD/2 |
| 2     | 17974          | C              | ND            | 11.200        | 5.600                     | 5.194                   | LOD/2 |
| 3     | 17977          | C              | PQ            | .             | 20.300                    | 18.435                  |       |
| 4     | 17980          | C              | ND            | 5.780         | 2.890                     | 2.753                   | LOD/2 |
| 5     | 17983          | C              | PQ            | .             | 9.140                     | 8.382                   |       |
|       |                |                |               |               |                           |                         |       |
| 1     | 17972          | S1             | ND            | 11.500        | 5.750                     | 19.479                  | LOD/2 |
| 2     | 17975          | S1             | PQ            | .             | 88.200                    | 93.828                  |       |
| 3     | 17978          | S1             | PQ            | .             | 112.000                   | 114.861                 |       |
| 4     | 17981          | S1             | PQ            | .             | 31.800                    | 42.540                  |       |
| 5     | 17984          | S1             | PQ            | .             | 54.700                    | 63.516                  |       |
|       |                |                |               |               |                           |                         |       |
| 1     | 17973          | S2             | ND            | 11.400        | 5.700                     | 8.806                   | LOD/2 |
| 2     | 17976          | S2             | ND            | 11.100        | 5.550                     | 8.566                   | LOD/2 |
| 3     | 17979          | S2             | ND            | 5.790         | 2.895                     | 6.337                   | LOD/2 |
| 4     | 17982          | S2             | PQ            | .             | 7.440                     | 10.396                  |       |
| 5     | 17985          | S2             | PQ            | .             | 15.100                    | 17.282                  |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = 1-NONENE (unspiked compound)  
Fraction = 50%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | D          | .          | 600.000             | 600.000           |       |
| 2     | 17915       | MB          | D          | .          | 1000.00             | 1000.00           |       |
| 3     | 17929       | MB          | ND         | 20.000     | 10.000              | 10.000            | LOD/2 |
| 4     | 17943       | MB          | ND         | 20.000     | 10.000              | 10.000            | LOD/2 |
| 5     | 17957       | MB          | ND         | 20.000     | 10.000              | 10.000            | LOD/2 |
| 1     | 17971       | C           | D          | .          | 200.000             | 209.984           |       |
| 1     | 17972       | S1          | D          | .          | 400.000             | 390.136           |       |
| 1     | 17973       | S2          | D          | .          | 500.000             | 480.212           |       |
| 2     | 17974       | C           | D          | .          | 600.000             | 570.288           |       |
| 2     | 17975       | S1          | ND         | 20.000     | 10.000              | 38.839            | LOD/2 |
| 2     | 17976       | S2          | D          | .          | 20.000              | 47.846            |       |
| 3     | 17977       | C           | ND         | 20.000     | 10.000              | 38.839            | LOD/2 |
| 3     | 17978       | S1          | D          | .          | 800.000             | 750.441           |       |
| 3     | 17979       | S2          | D          | .          | 800.000             | 750.441           |       |
| 4     | 17980       | C           | D          | .          | 1000.00             | 930.593           |       |
| 4     | 17981       | S1          | D          | .          | 600.000             | 570.288           |       |
| 4     | 17982       | S2          | D          | .          | 700.000             | 660.365           |       |
| 5     | 17983       | C           | D          | .          | 90.000              | 110.900           |       |
| 5     | 17984       | S1          | D          | .          | 300.000             | 300.060           |       |
| 5     | 17985       | S2          | D          | .          | 1000.00             | 930.593           |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.  
1=Concentration is above the upper calibration limit  
3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = 1,2,4-TRIMETHYLBENZENE (unspiked compound)**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 2     | 17915       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 3     | 17929       | MB          | D          | .          | 40.000              | 40.000            |       |
| 4     | 17943       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 5     | 17957       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 1     | 17971       | C           | ND         | 5.000      | 2.500               | 4.628             | LOD/2 |
| 1     | 17972       | S1          | D          | .          | 40.000              | 38.407            |       |
| 1     | 17973       | S2          | D          | .          | 10.000              | 11.384            |       |
| 2     | 17974       | C           | D          | .          | 20.000              | 20.392            |       |
| 2     | 17975       | S1          | D          | .          | 100.000             | 92.453            |       |
| 2     | 17976       | S2          | D          | .          | 80.000              | 74.437            |       |
| 3     | 17977       | C           | D          | .          | 30.000              | 29.399            |       |
| 3     | 17978       | S1          | D          | .          | 30.000              | 29.399            |       |
| 3     | 17979       | S2          | ND         | 5.000      | 2.500               | 4.628             | LOD/2 |
| 4     | 17980       | C           | ND         | 5.000      | 2.500               | 4.628             | LOD/2 |
| 4     | 17981       | S1          | D          | .          | 100.000             | 92.453            |       |
| 4     | 17982       | S2          | D          | .          | 100.000             | 92.453            |       |
| 5     | 17983       | C           | D          | .          | 30.000              | 29.399            |       |
| 5     | 17984       | S1          | D          | .          | 10.000              | 11.384            |       |
| 5     | 17985       | S2          | ND         | 5.000      | 2.500               | 4.628             | LOD/2 |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

**Listing of FY86 NHATS QC Data for Compounds Detected in  
At Least 44% of Composites**

**Compound = HEXYL ACETATE (unspiked compound)  
Fraction = 50%**

| Batch | Lab. Number | Sample Type | Data Qual. | LOD (ng/g) | Unadj. Conc. (ng/g) | Adj. Conc. (ng/g) |       |
|-------|-------------|-------------|------------|------------|---------------------|-------------------|-------|
| 1     | 17901       | MB          | D          | .          | 20.000              | 20.000            |       |
| 2     | 17915       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 3     | 17929       | MB          | D          | .          | 400.000             | 400.000           |       |
| 4     | 17943       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 5     | 17957       | MB          | ND         | 5.000      | 2.500               | 2.500             | LOD/2 |
| 1     | 17971       | C           | D          | .          | 50.000              | 52.995            |       |
| 1     | 17972       | S1          | D          | .          | 50.000              | 52.995            |       |
| 1     | 17973       | S2          | D          | .          | 100.000             | 98.033            |       |
| 2     | 17974       | C           | ND         | 5.000      | 2.500               | 10.208            | LOD/2 |
| 2     | 17975       | S1          | D          | .          | 400.000             | 368.261           |       |
| 2     | 17976       | S2          | D          | .          | 100.000             | 98.033            |       |
| 3     | 17977       | C           | ND         | 5.000      | 2.500               | 10.208            | LOD/2 |
| 3     | 17978       | S1          | D          | .          | 400.000             | 368.261           |       |
| 3     | 17979       | S2          | D          | .          | 30.000              | 34.979            |       |
| 4     | 17980       | C           | D          | .          | 100.000             | 98.033            |       |
| 4     | 17981       | S1          | D          | .          | 70.000              | 71.010            |       |
| 4     | 17982       | S2          | D          | .          | 400.000             | 368.261           |       |
| 5     | 17983       | C           | D          | .          | 60.000              | 62.002            |       |
| 5     | 17984       | S1          | D          | .          | 60.000              | 62.002            |       |
| 5     | 17985       | S2          | D          | .          | 50.000              | 52.995            |       |

MB=Method Blank, C=Control, S1=High spike, S2=Low spike  
PQ=Positive quantifiable, TR=Trace, ND=Not detected  
LOD=Detection Limit

Unadj. Conc.: Concentrations are unadjusted for surrogate recoveries.

Adj. Conc.: Concentrations are adjusted for surrogate recoveries.

Codes for final column

LOD/2=Concentration replaced by one-half the detection limit.

1=Concentration is above the upper calibration limit

3=Compound not analyzed

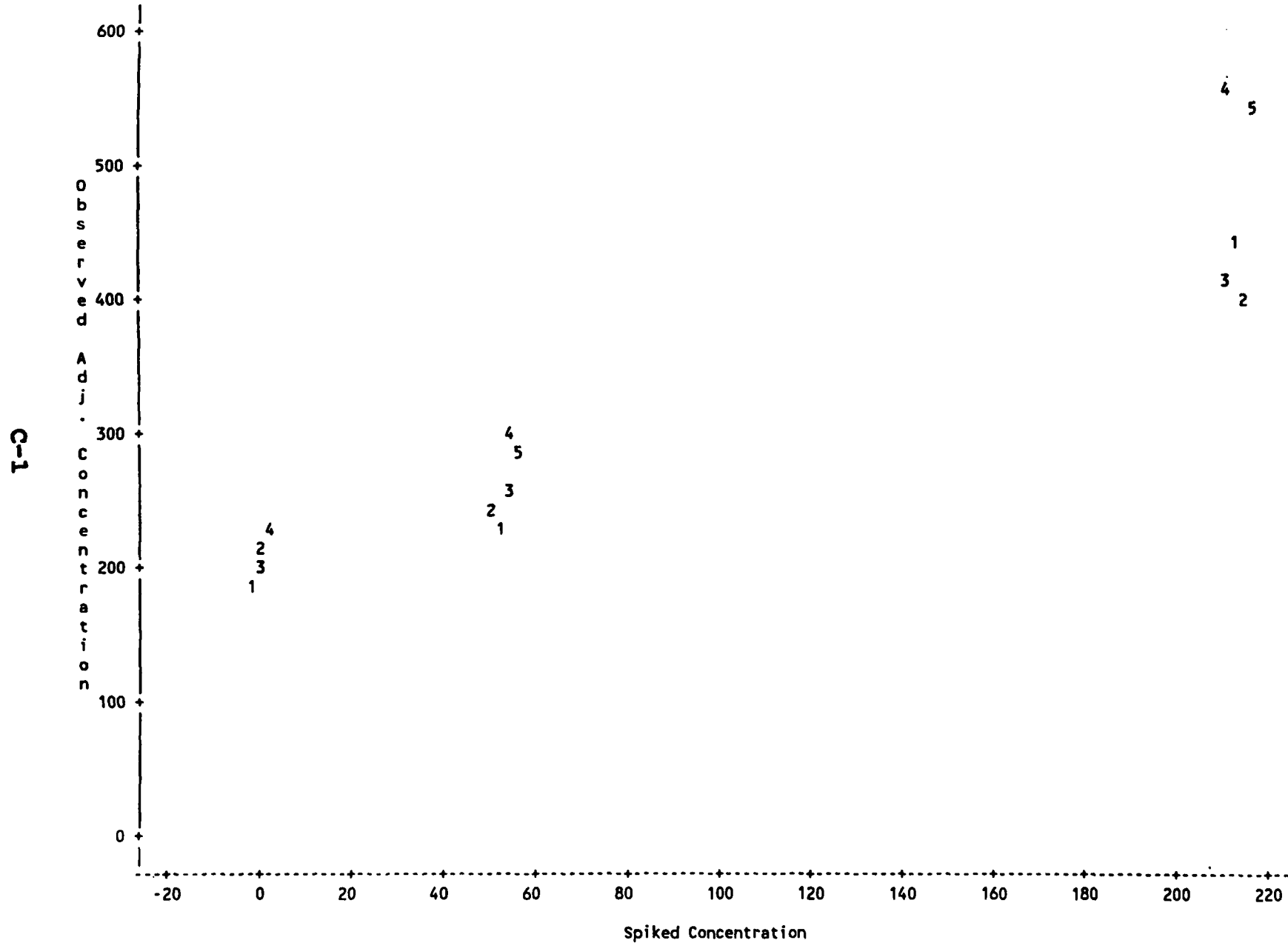
## **APPENDIX C**

**Plots of Observed vs. Spiked Concentrations  
for Spiked Semivolatile Compounds Detected in  
At Least 50% of Composites (plus Octachlorobiphenyl)**

**Plots of Observed Concentration vs. Batch ID  
for Unspiked Semivolatile Compounds Detected in  
At Least 50% of Composites**

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=P,P-DDT -----

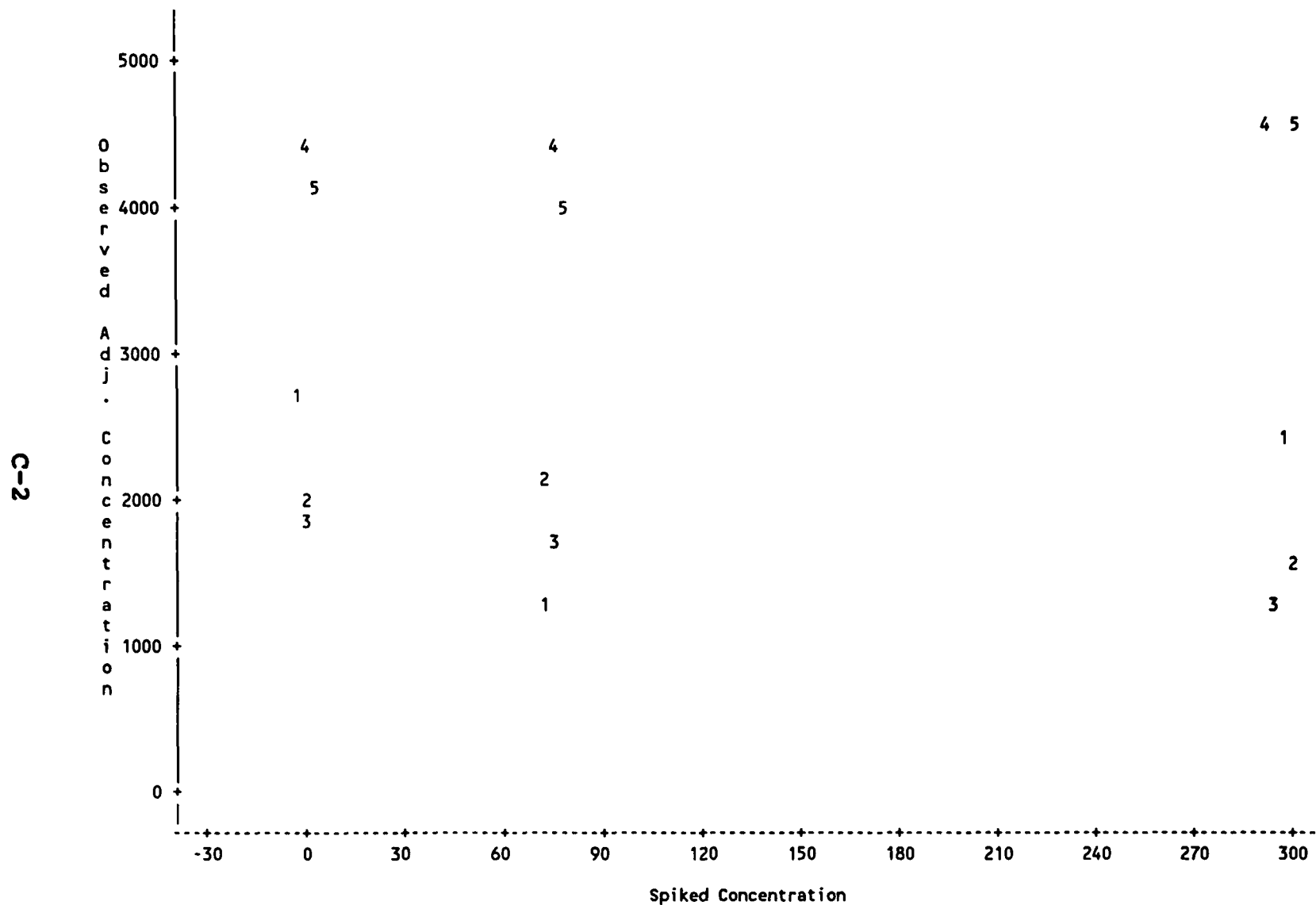


NOTE: 5 obs had missing values. 1 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=P,P-DDE (UNADJ.) -----

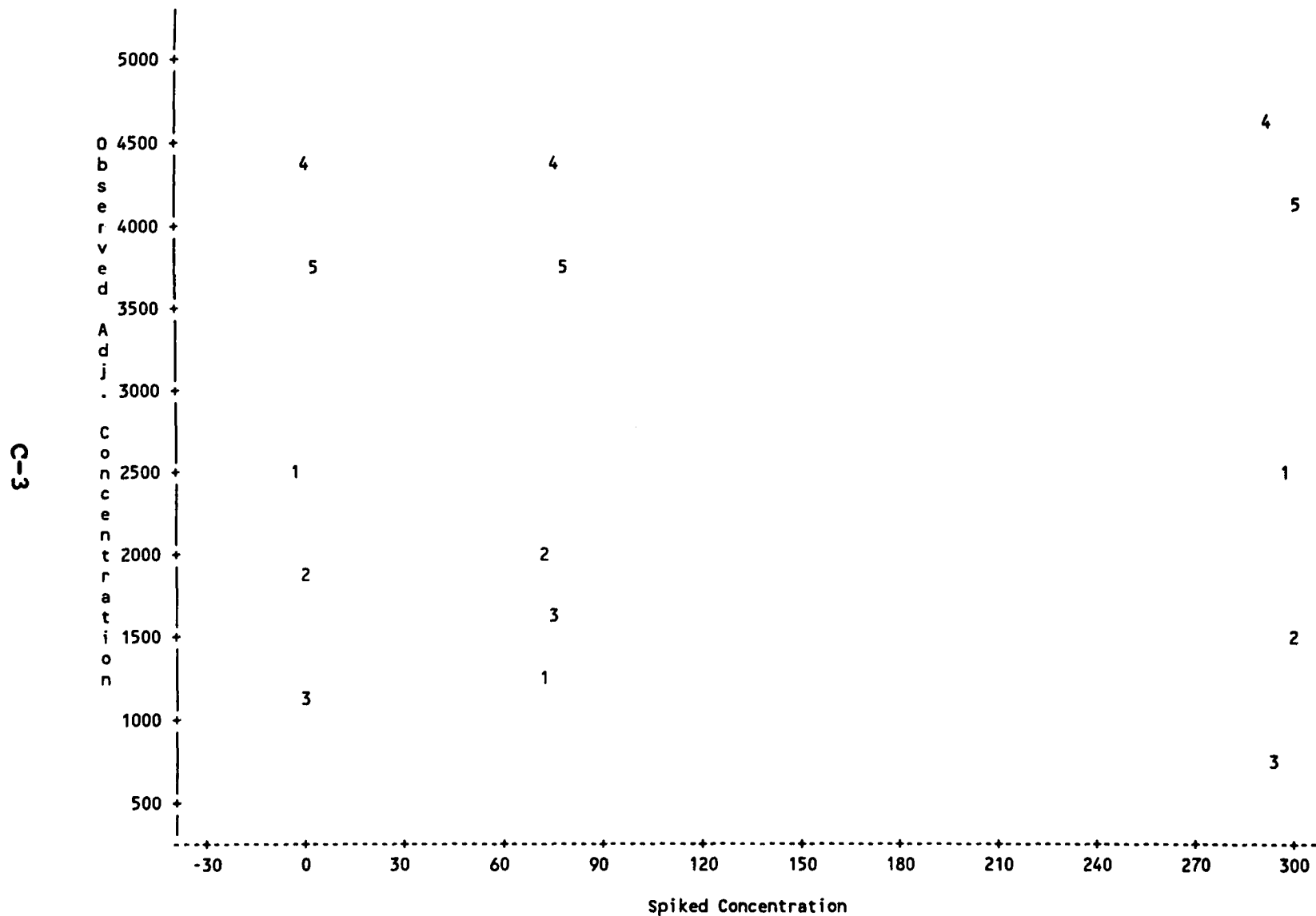


NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=P,P-DDE (M/Z=316) -----

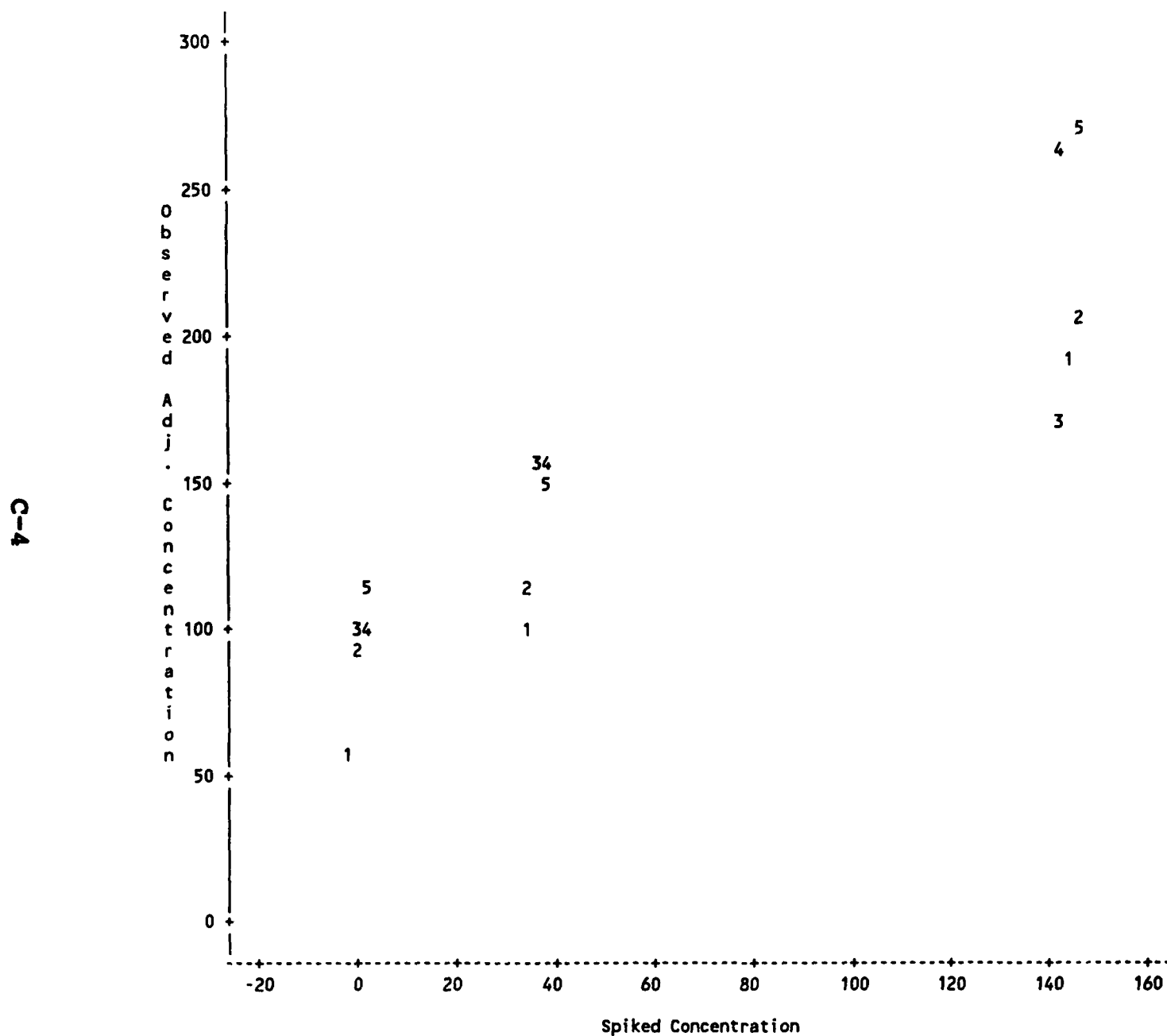


NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=HEPTACHLOR EPOXIDE -----

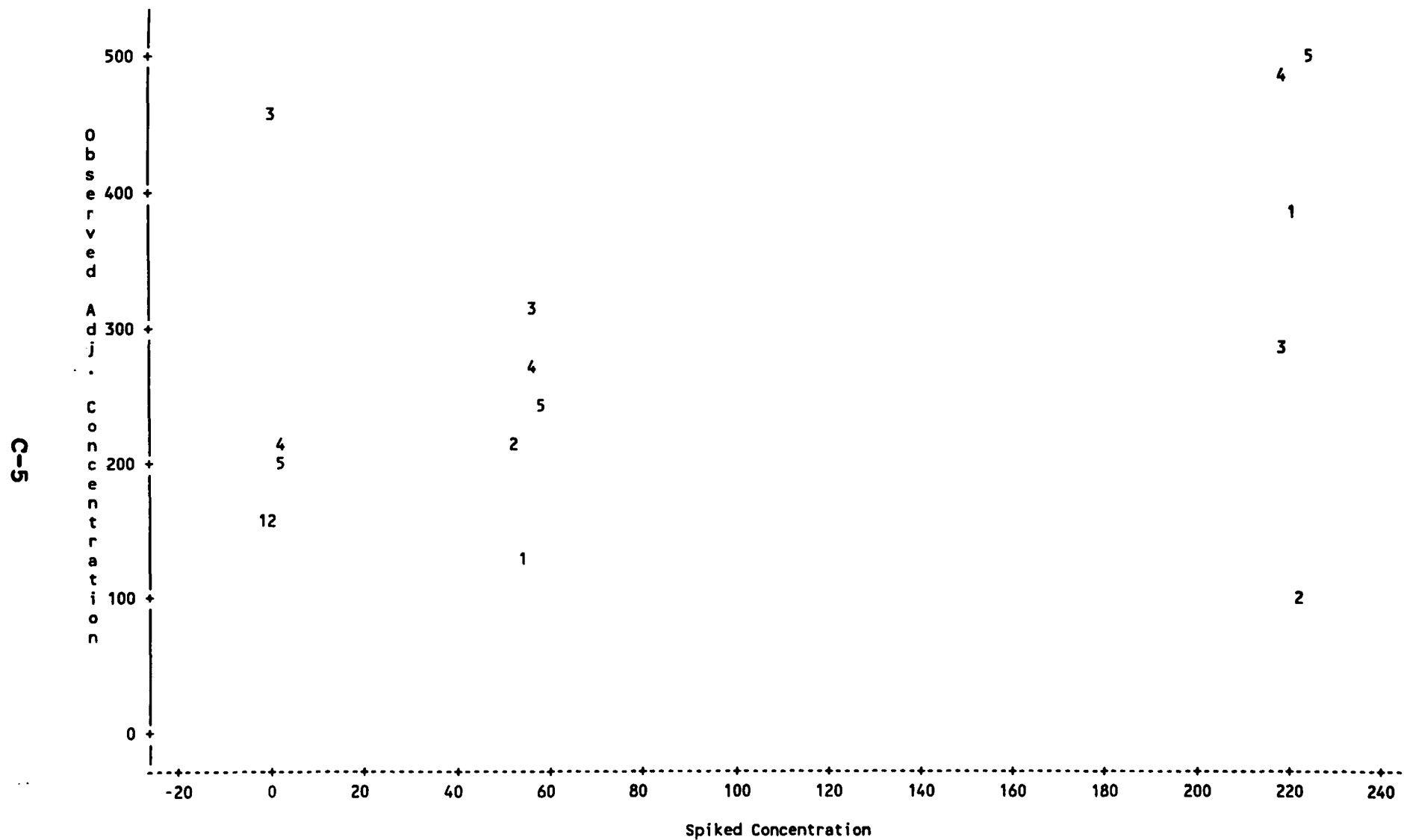


NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

COMPOUND=TRANS-NONACHLOR

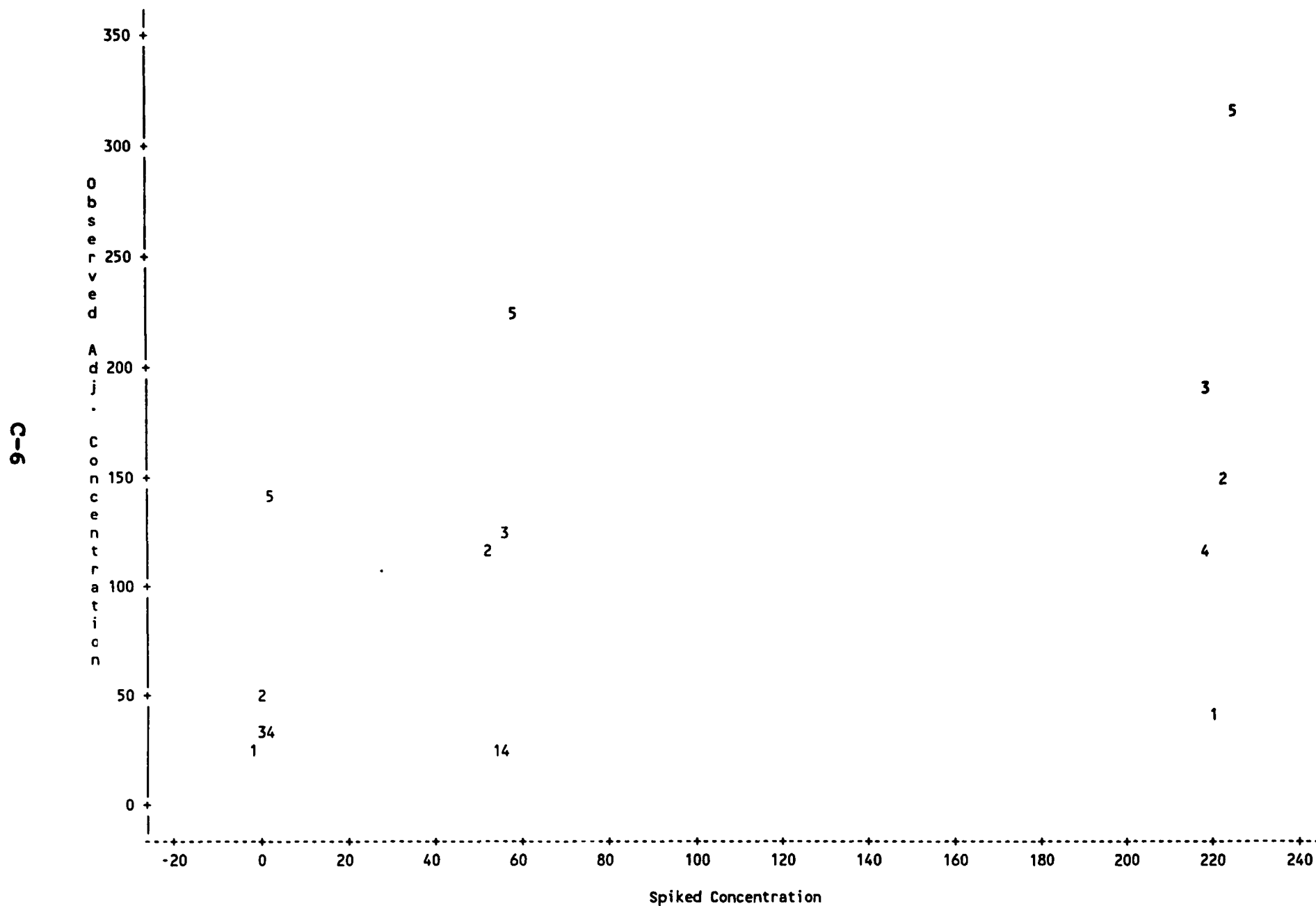


NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=DIELDRIN (CORRECTED) -----

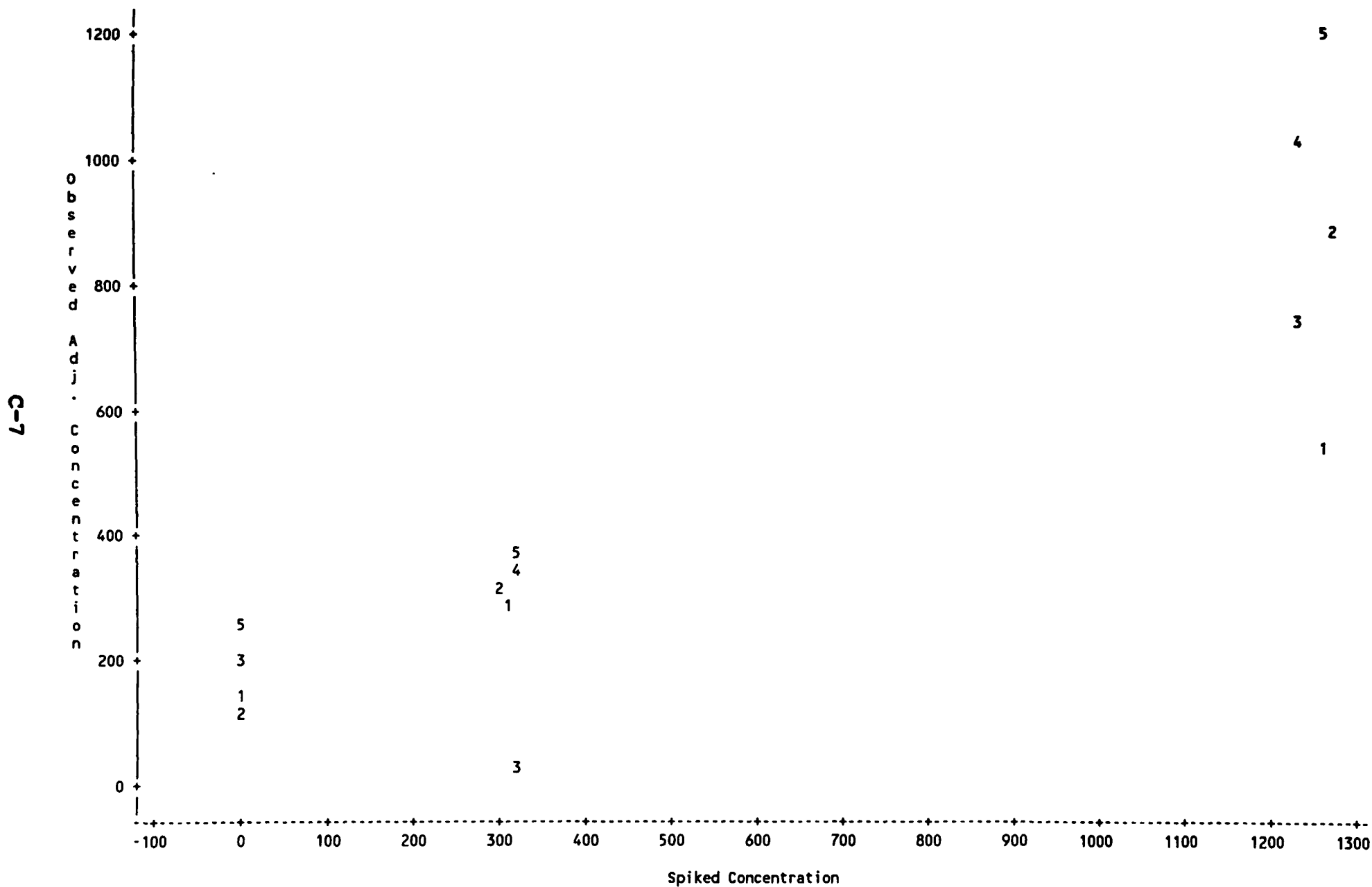


NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=1,4-DICHLOROBENZENE -----

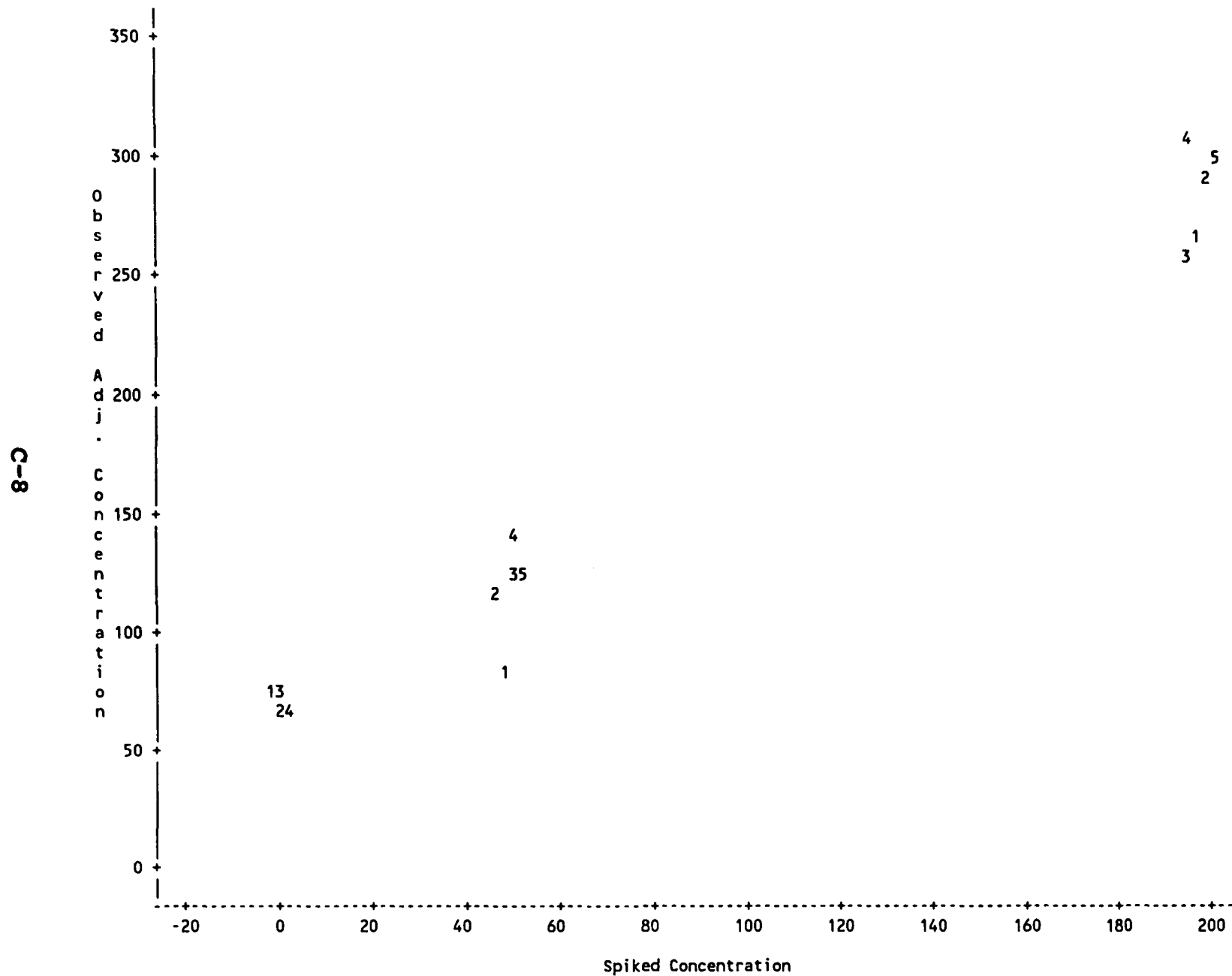


NOTE: 5 obs had missing values. 1 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=HEXACHLOROBENZENE -----

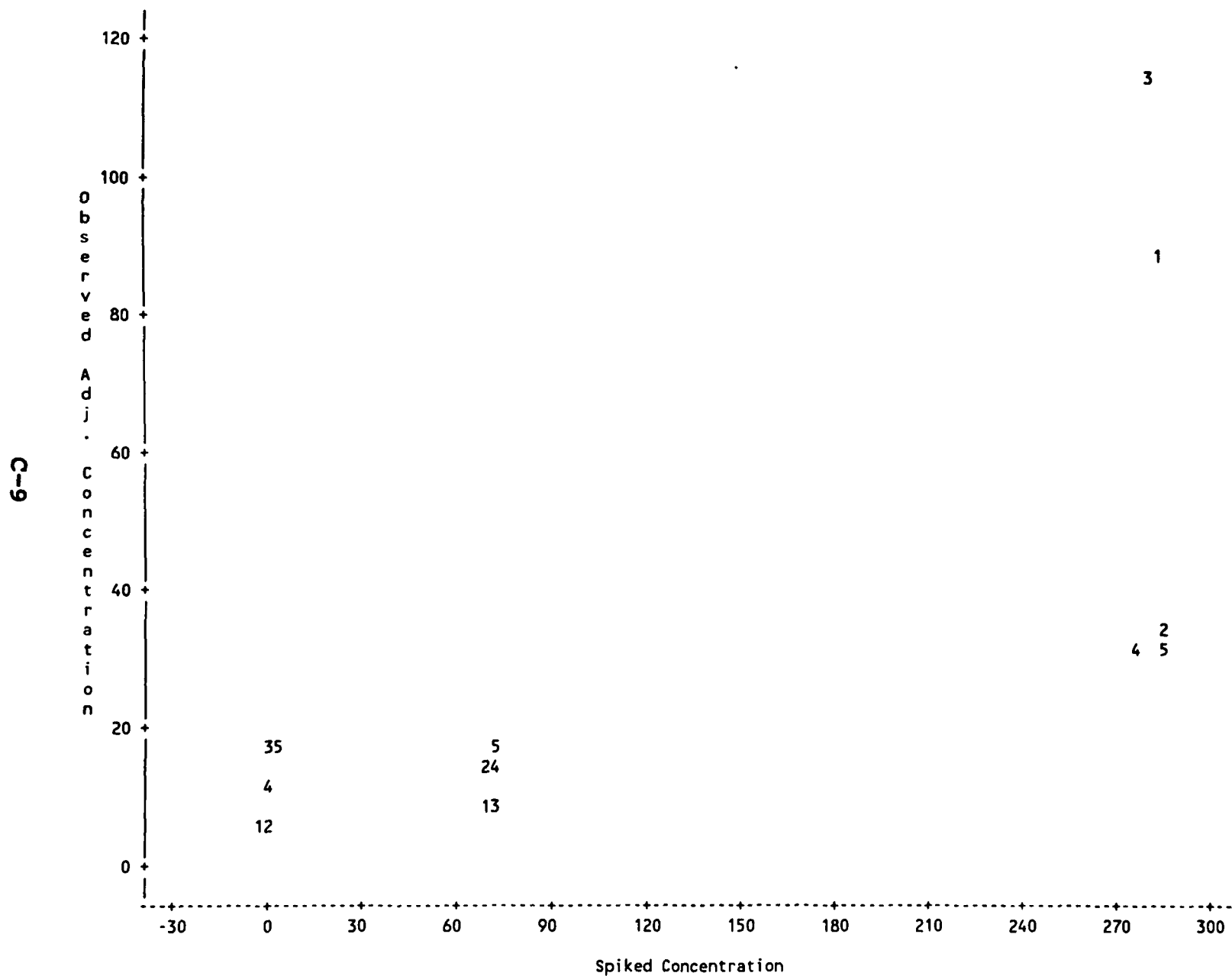


NOTE: 5 obs had missing values. 1 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

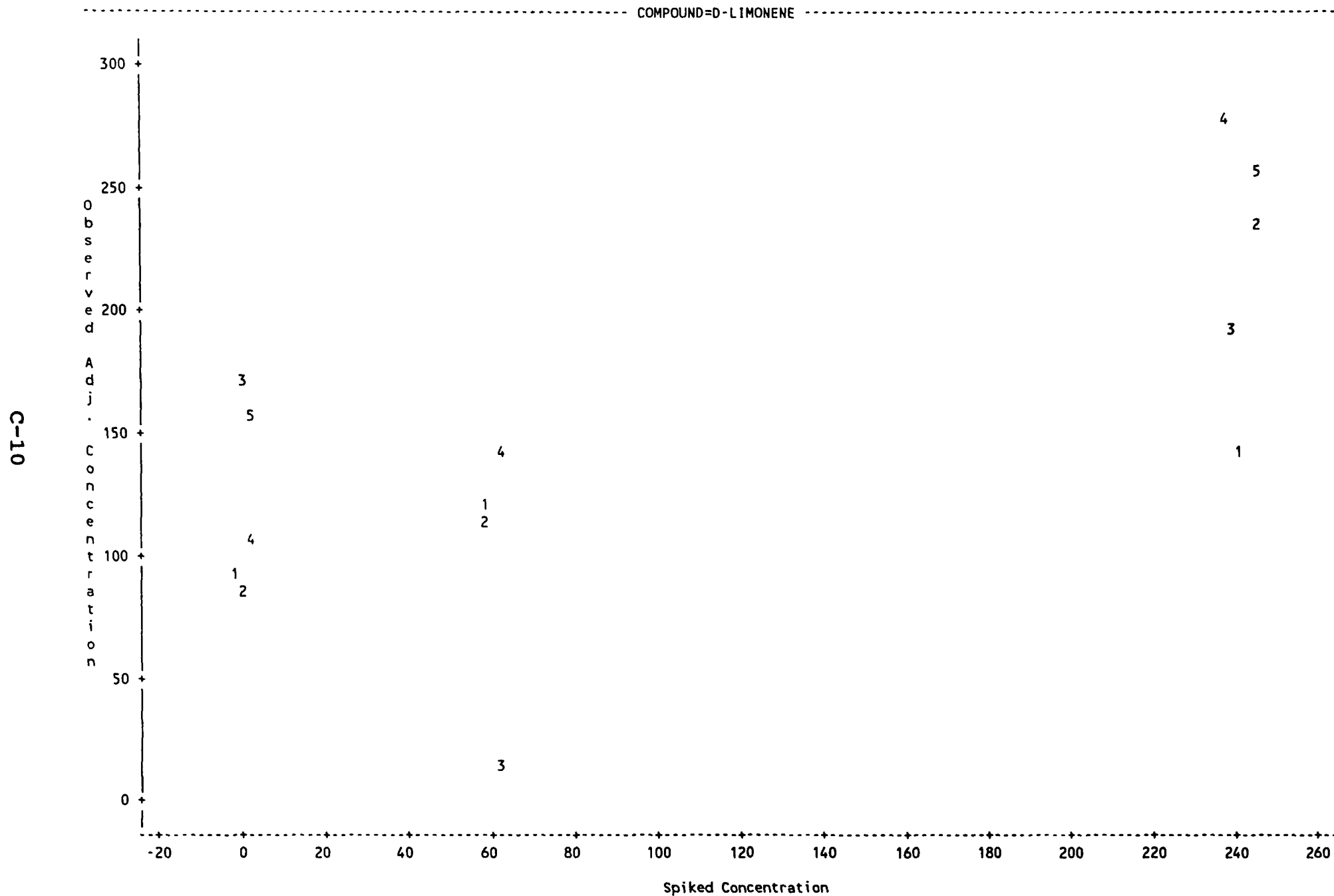
----- COMPOUND=O-CYMENE -----



NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

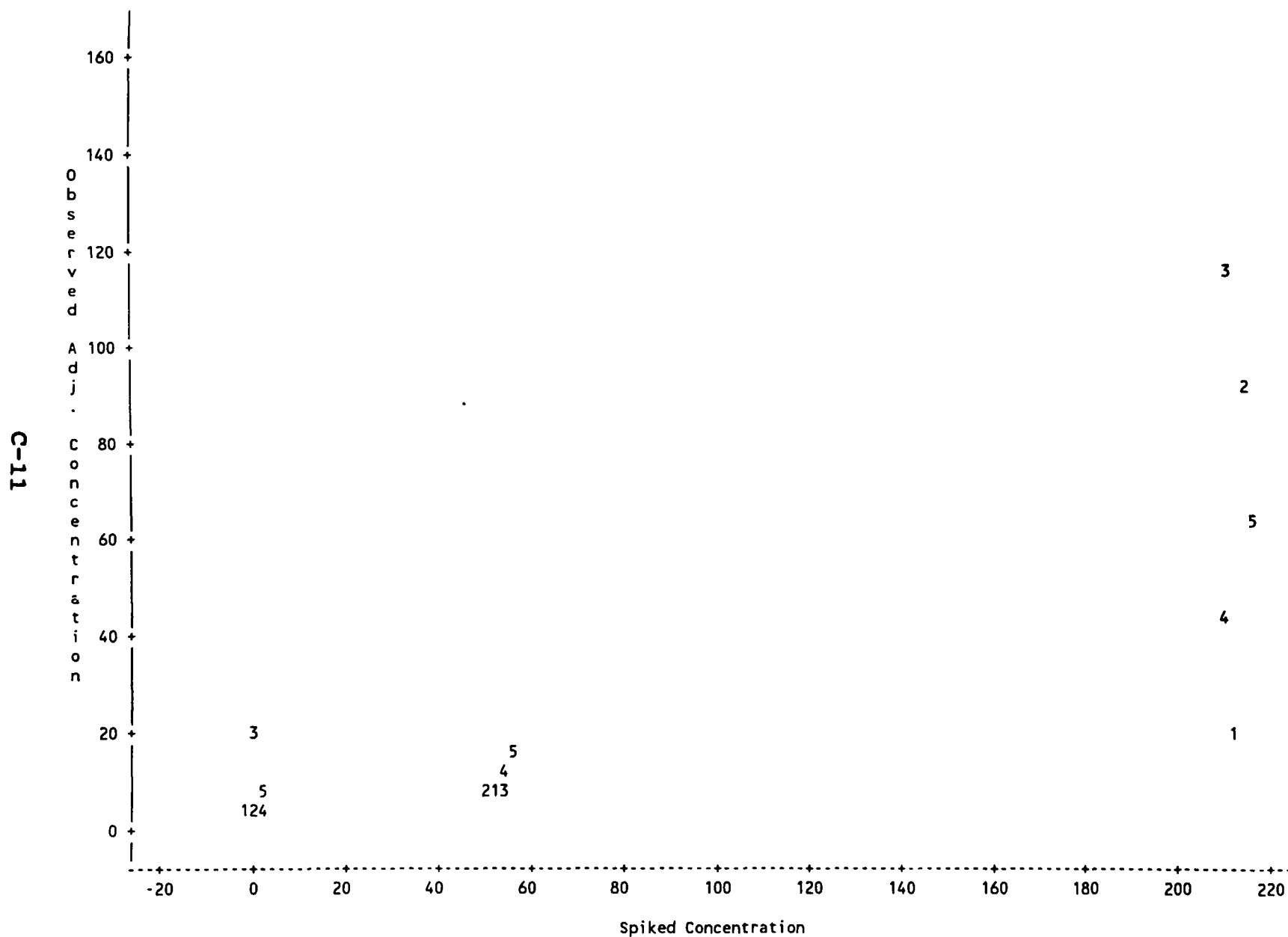


NOTE: 5 obs had missing values. 1 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=OCTAMETHYL-CYCLOTETRASILOXANE -----



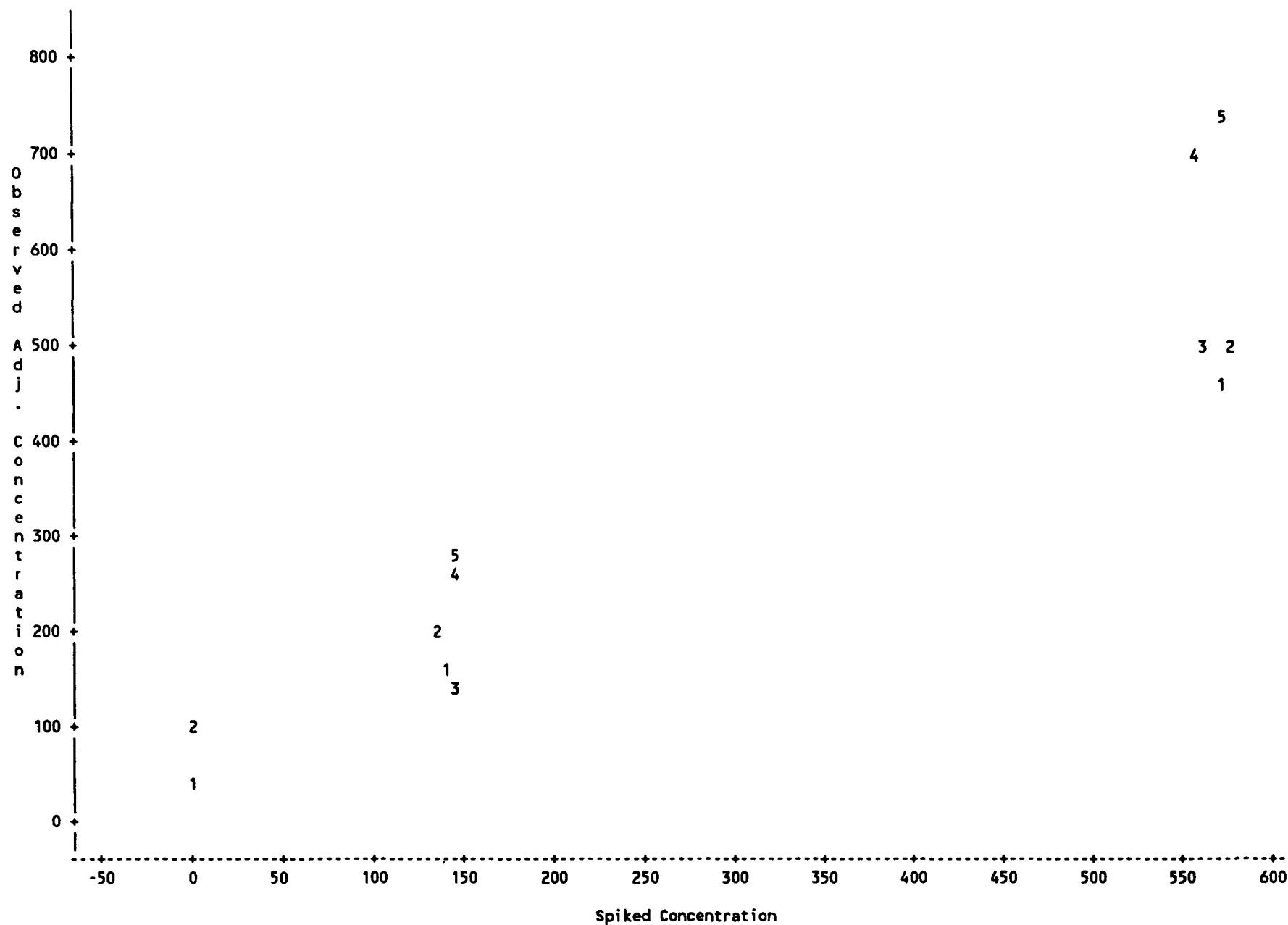
NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=TETRACHLOROBIPHENYLS -----

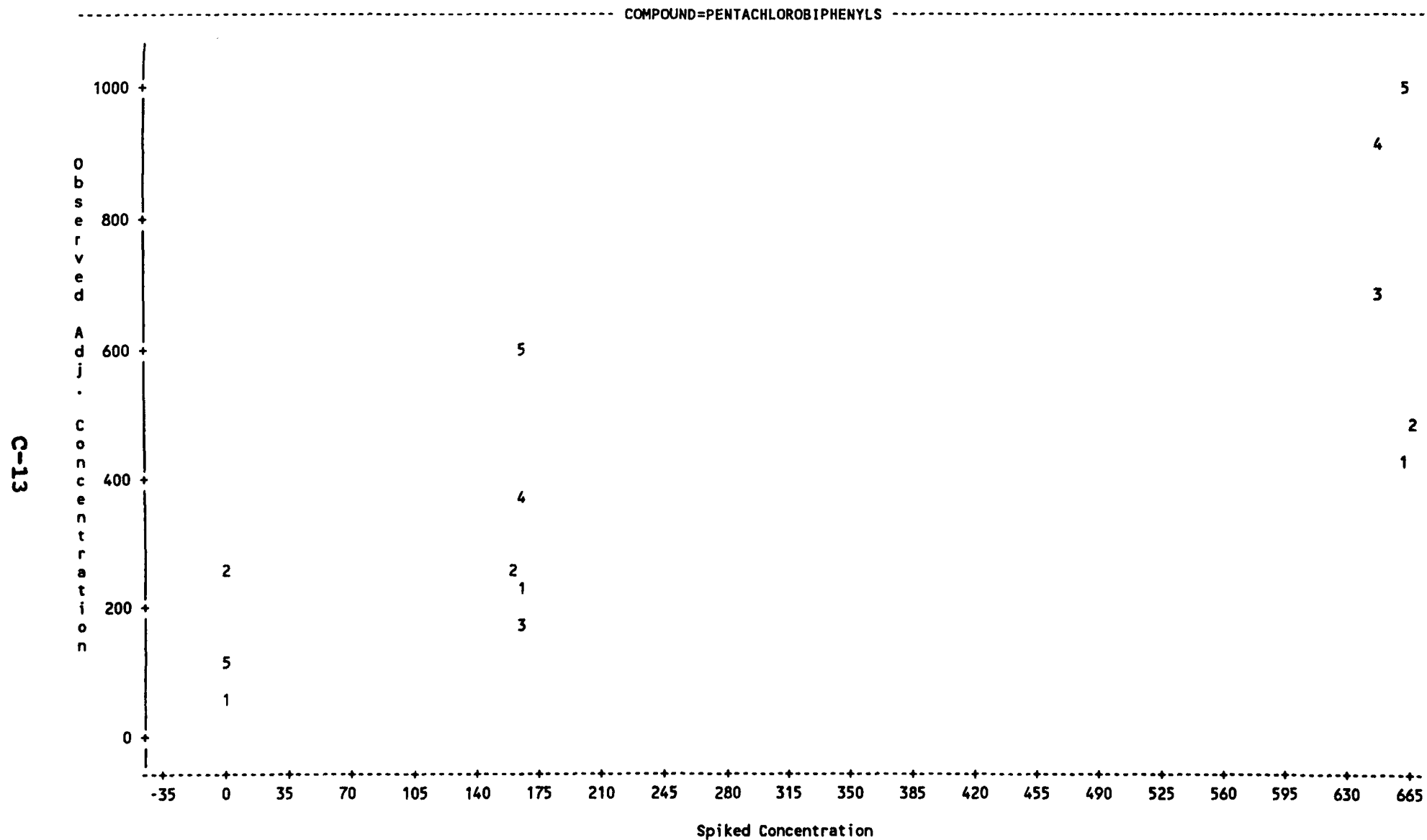
C-12



NOTE: 5 obs had missing values. 3 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

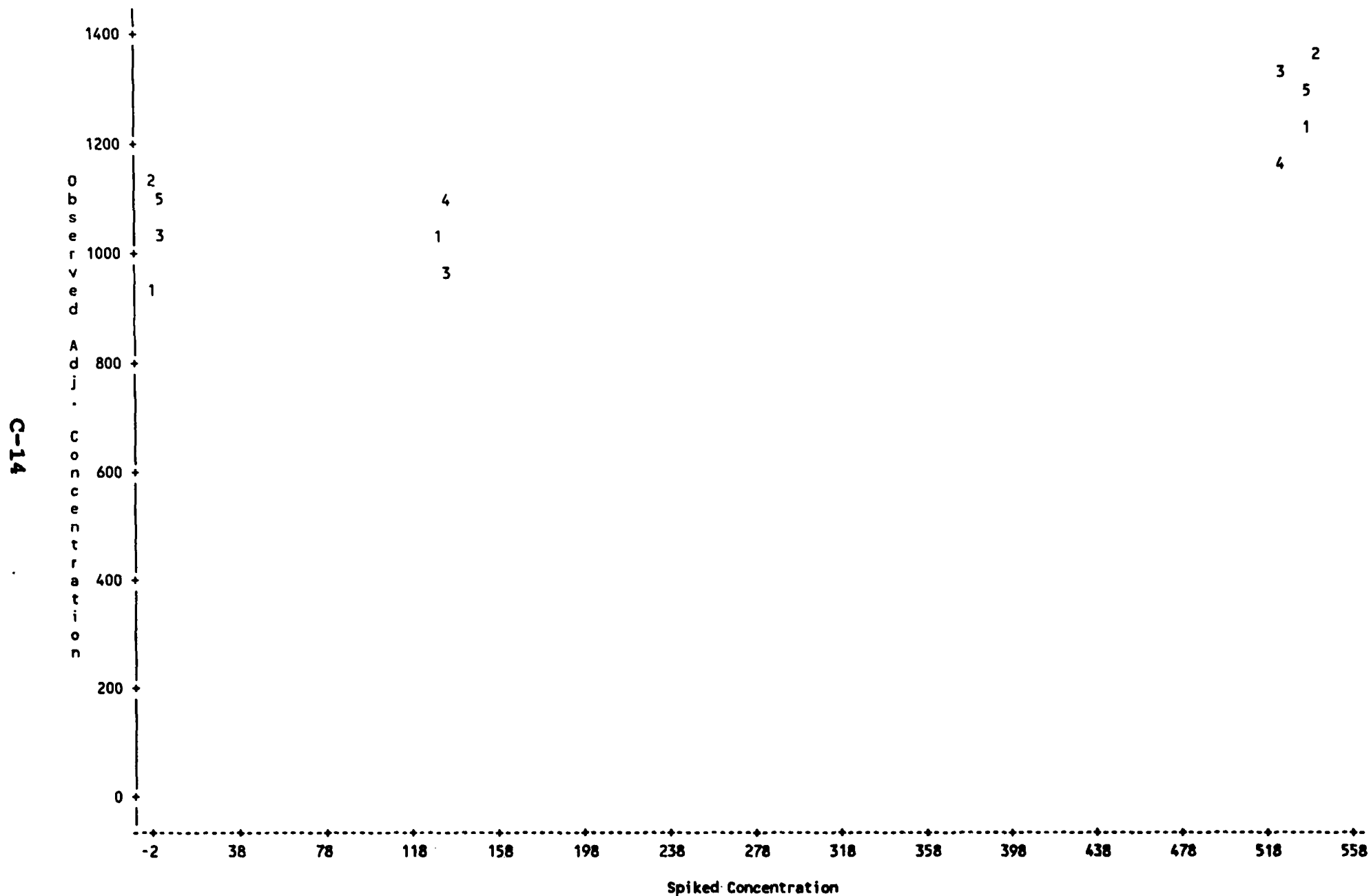


NOTE: 5 obs had missing values. 2 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=HEXACHLOROBIPHENYLS -----

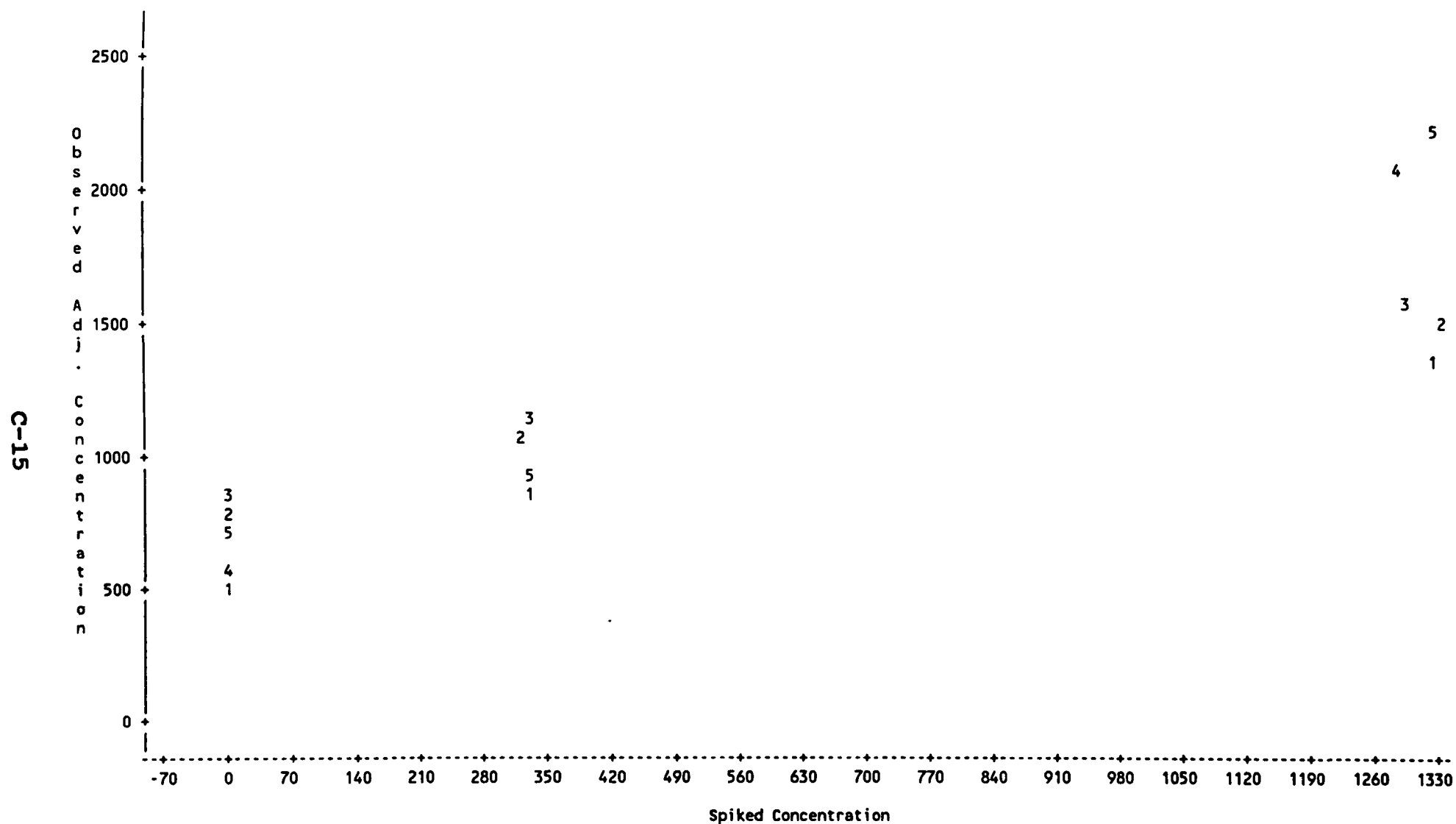


NOTE: 5 obs had missing values. 3 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

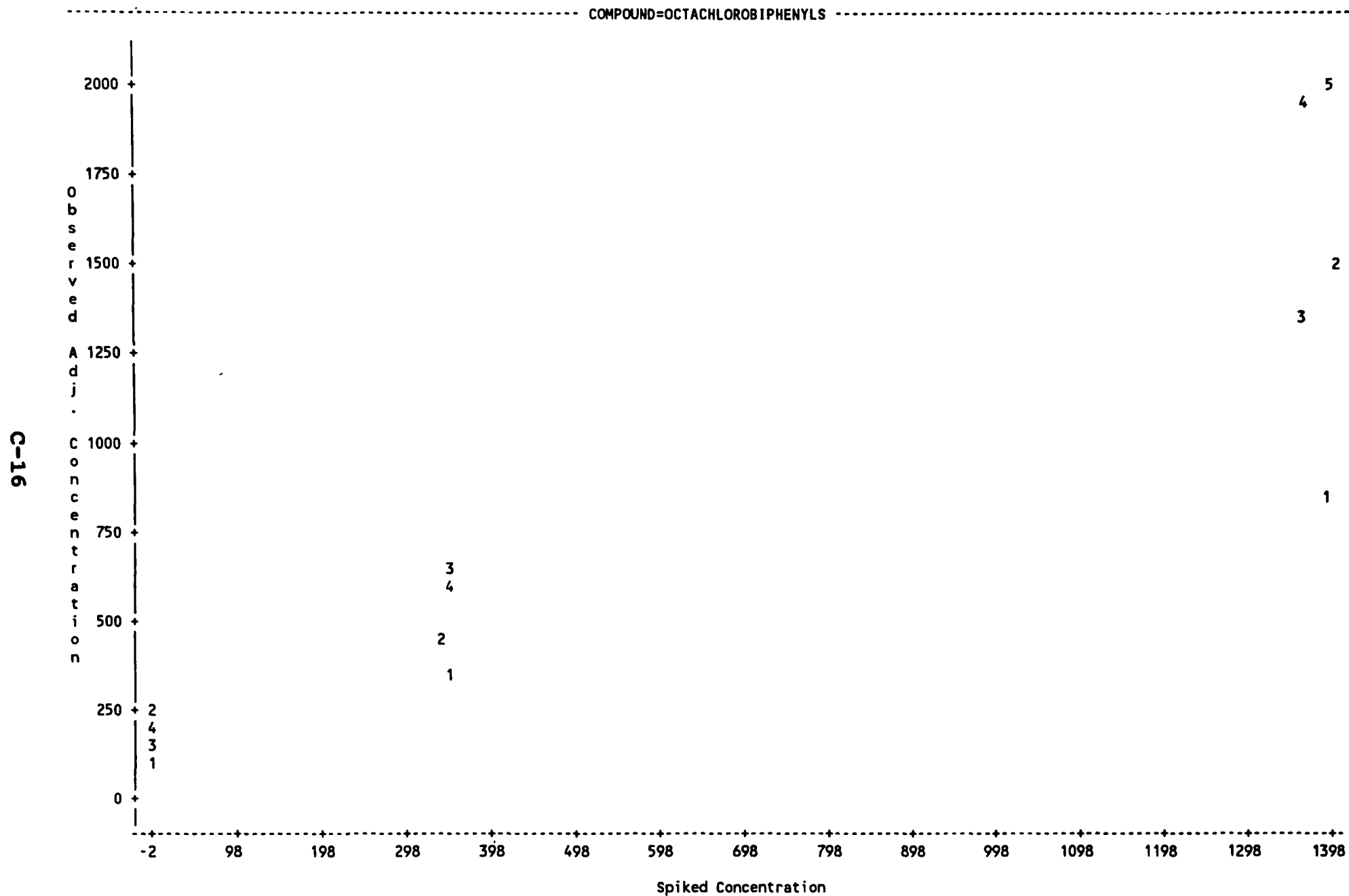
----- COMPOUND=HEPTACHLOROBIPHENYLS -----



NOTE: 5 obs had missing values. 1 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

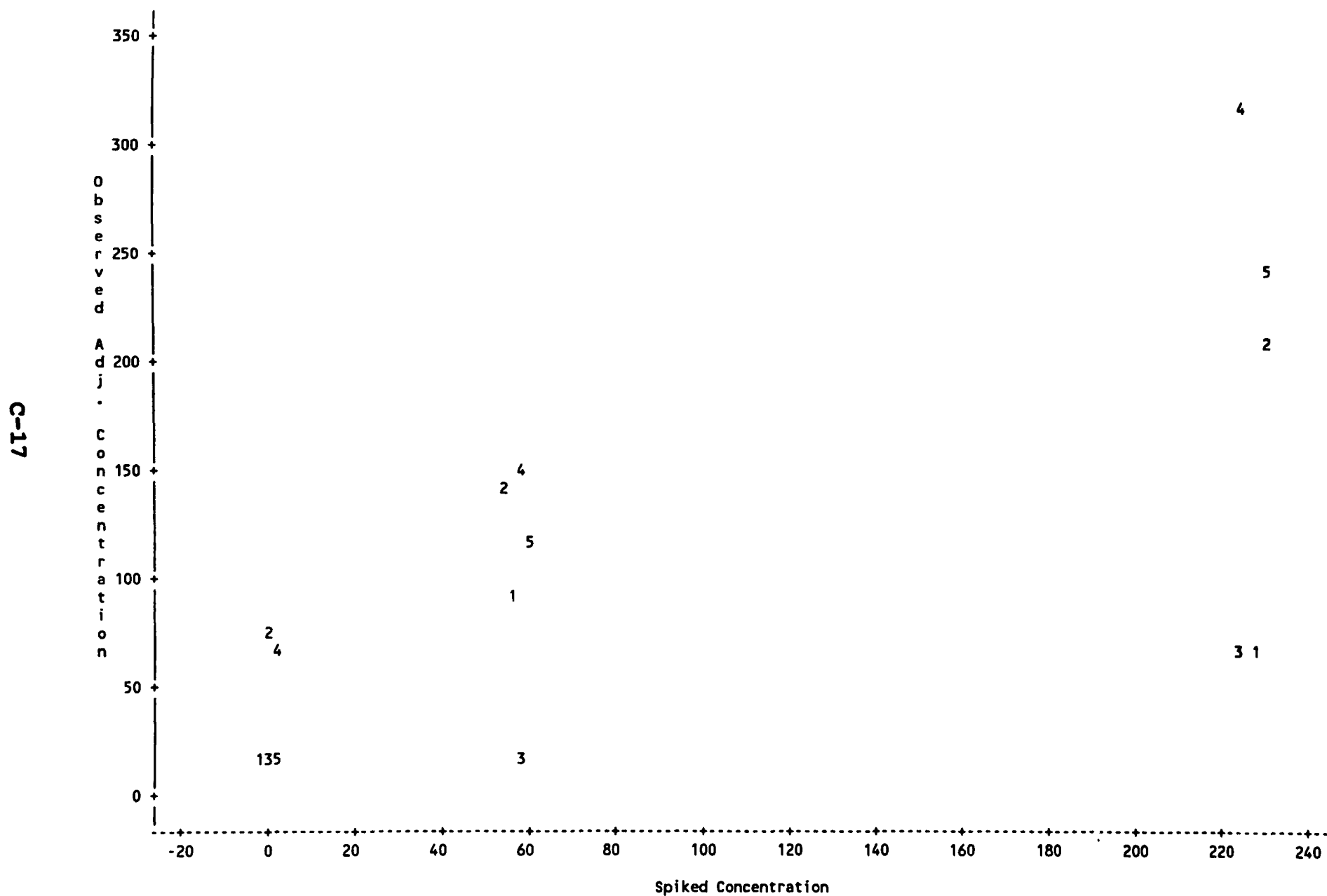


NOTE: 5 obs had missing values. 2 obs hidden.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

Plots of Observed vs. Spiked Concentrations (ng/g) for Spiked Semivolatile Compounds  
Detected in At Least 44% of NHATS FY86 Composites

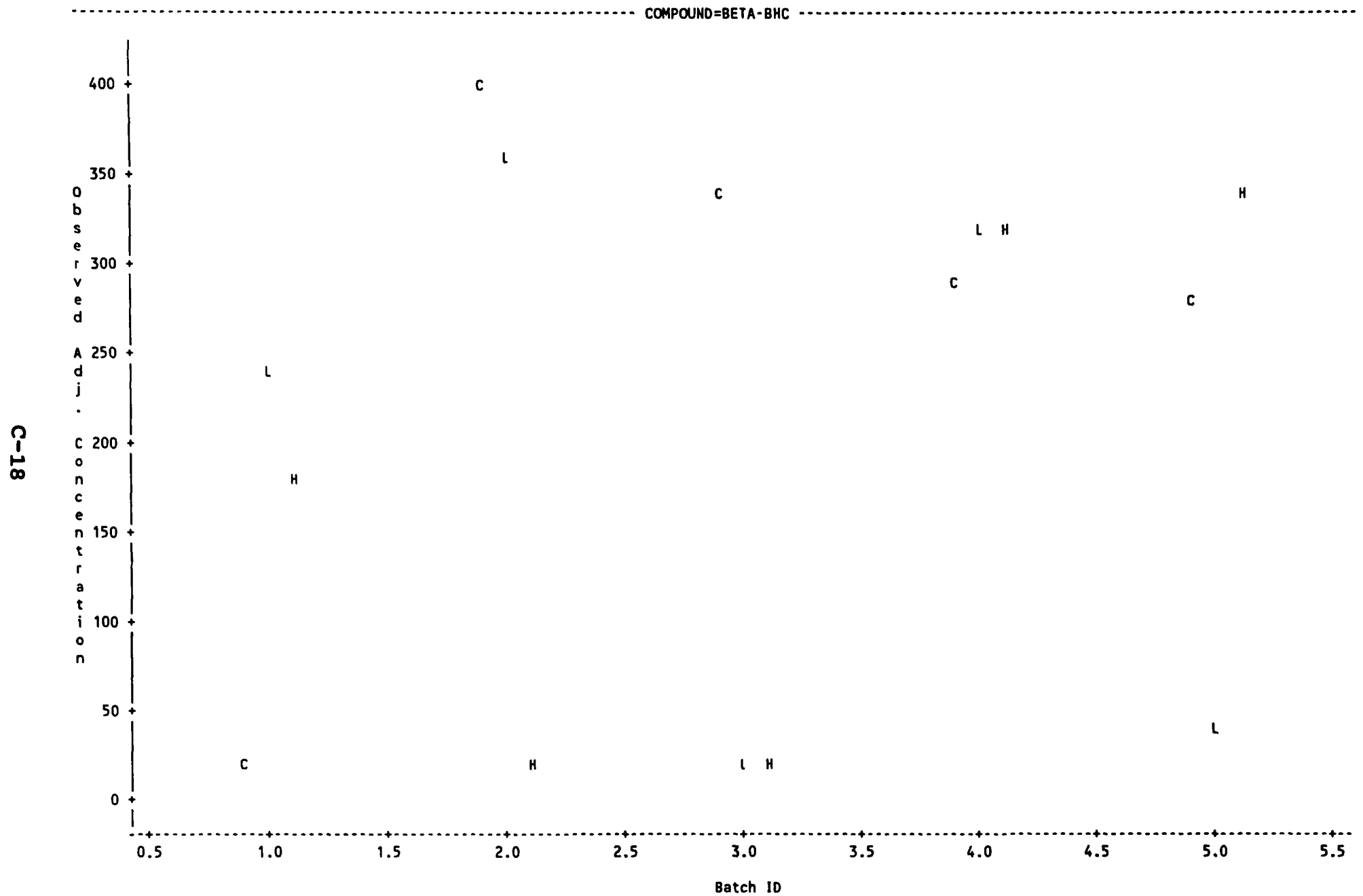
----- COMPOUND=BUTYL BENZYL PHTHALATE -----



NOTE: 5 obs had missing values.

Note: Plotting symbol is the Batch ID. Observed concs. are adjusted for surrogate recoveries.

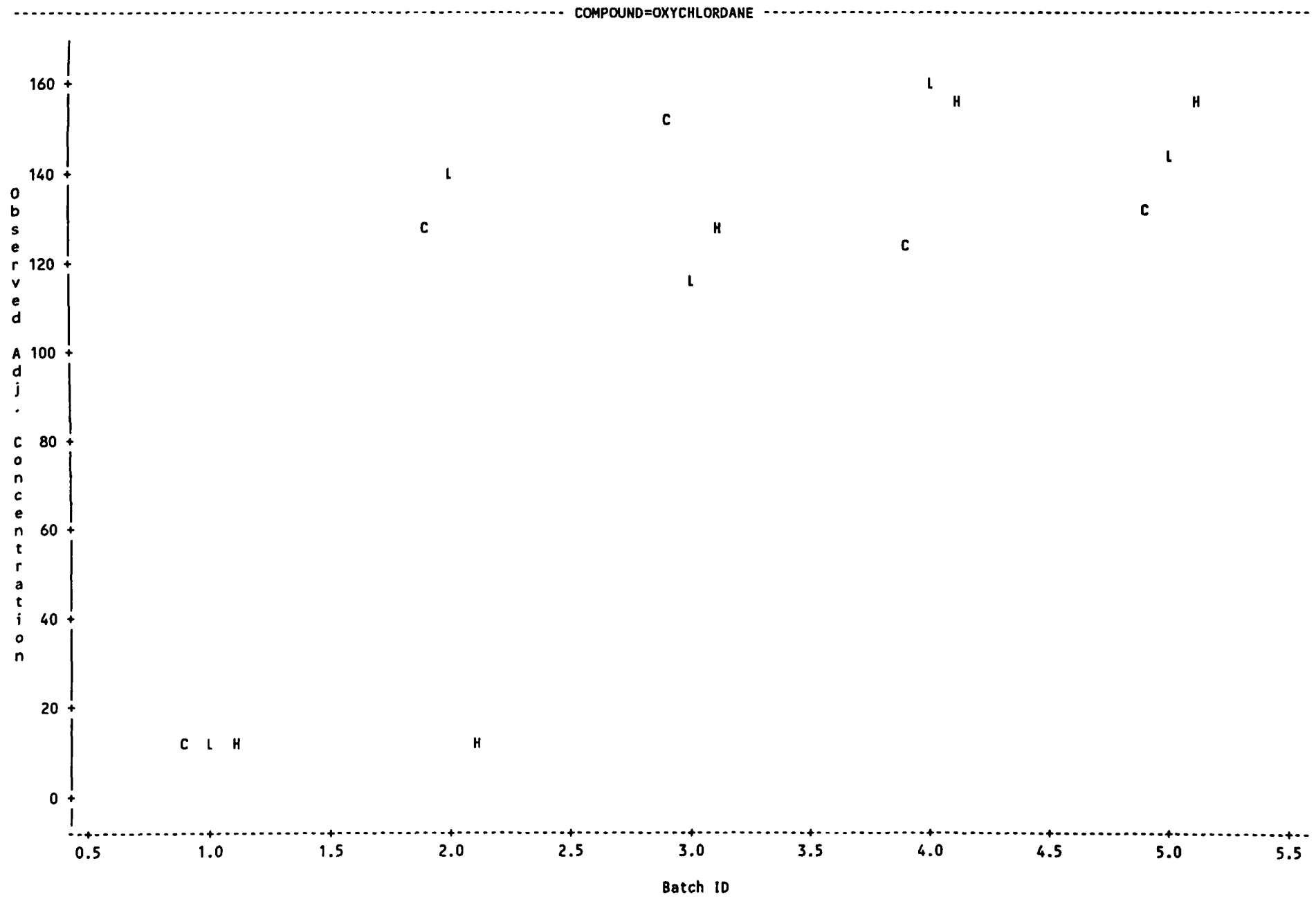
Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

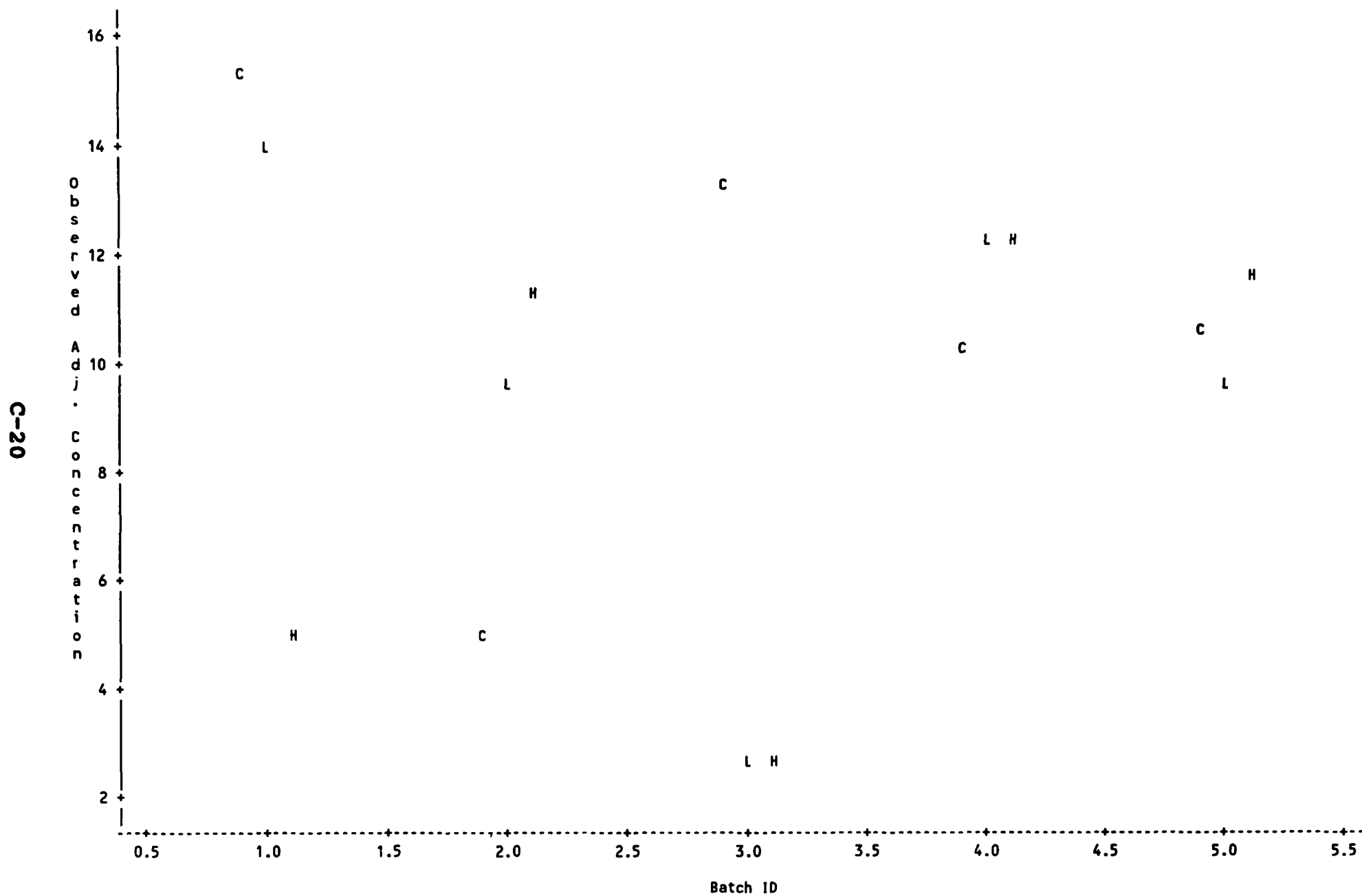
C-19



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

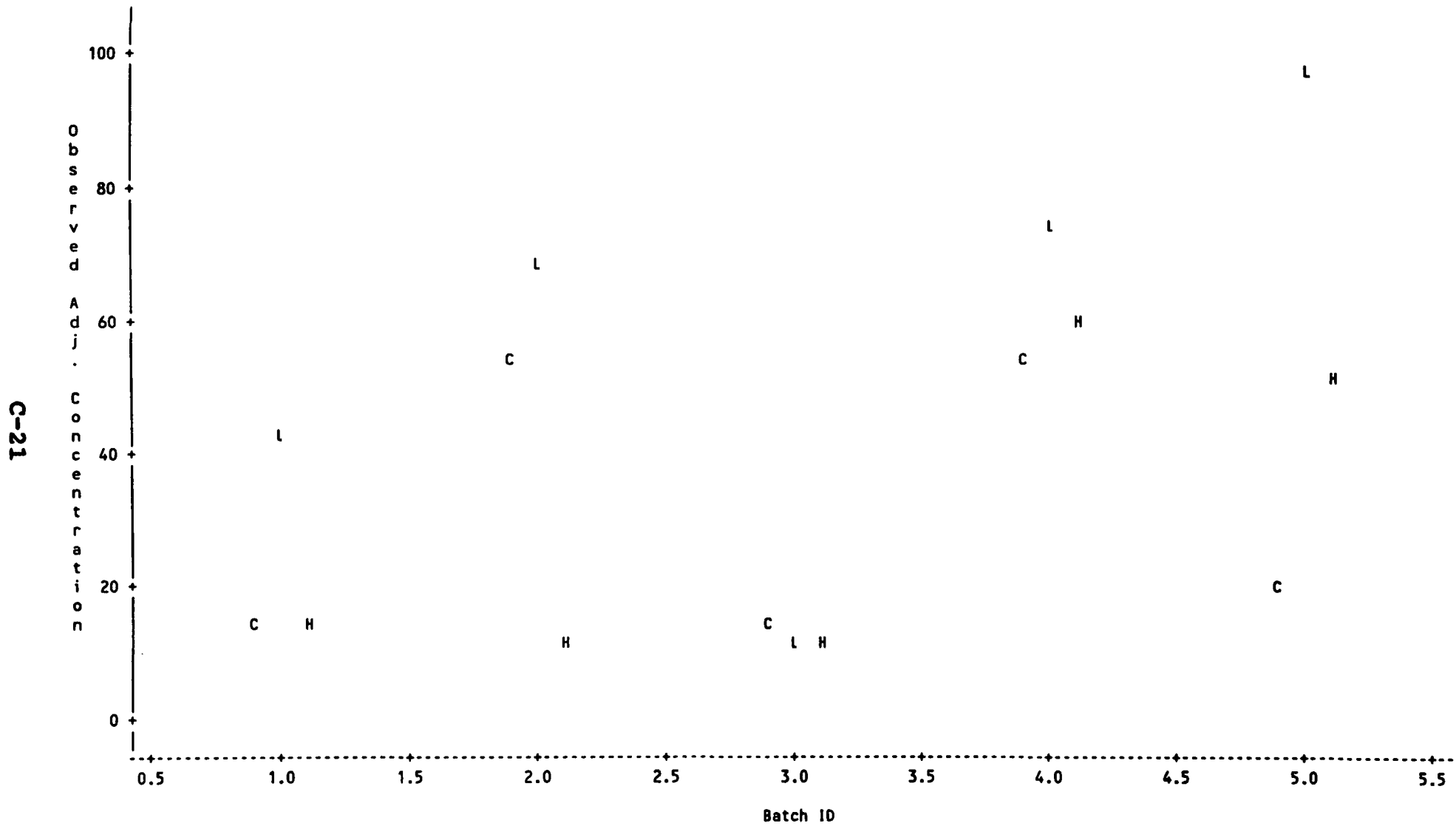
----- COMPOUND=NAPHTHALENE -----



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

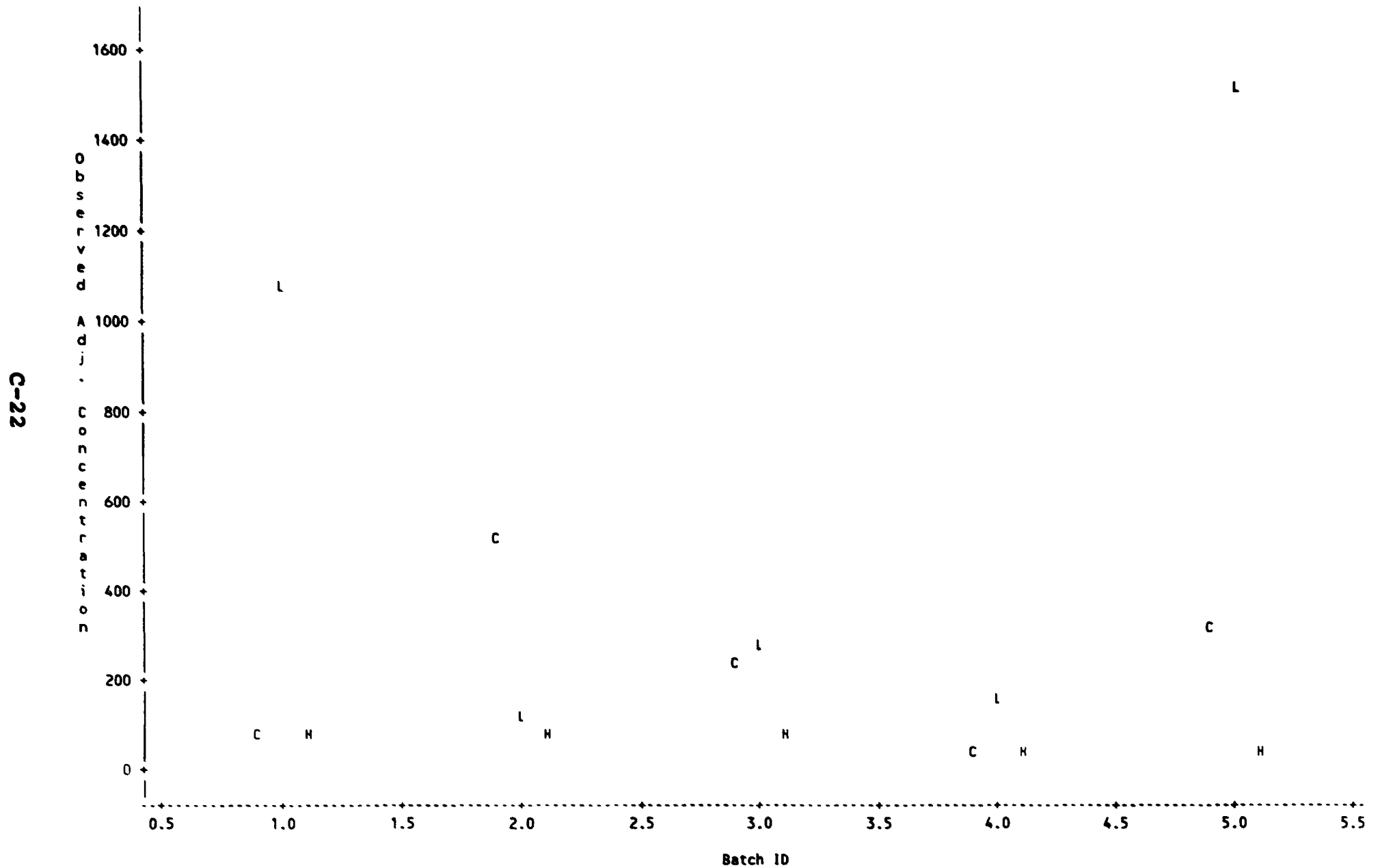
----- COMPOUND=DI-N-BUTYL PHTHALATE -----



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

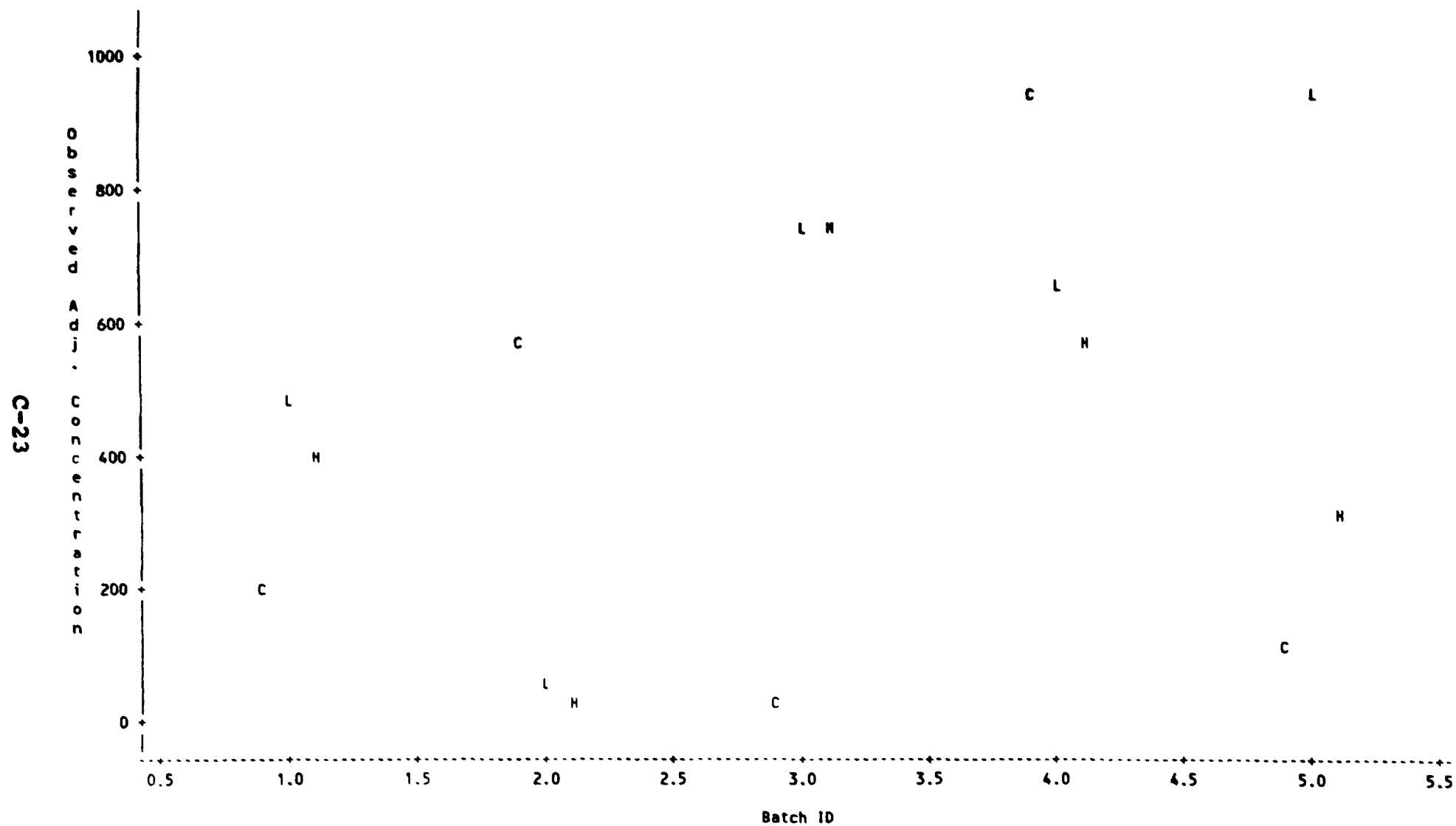
----- COMPOUND=BIS (2-ETHYLHEXYL) PHTHALATE -----



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

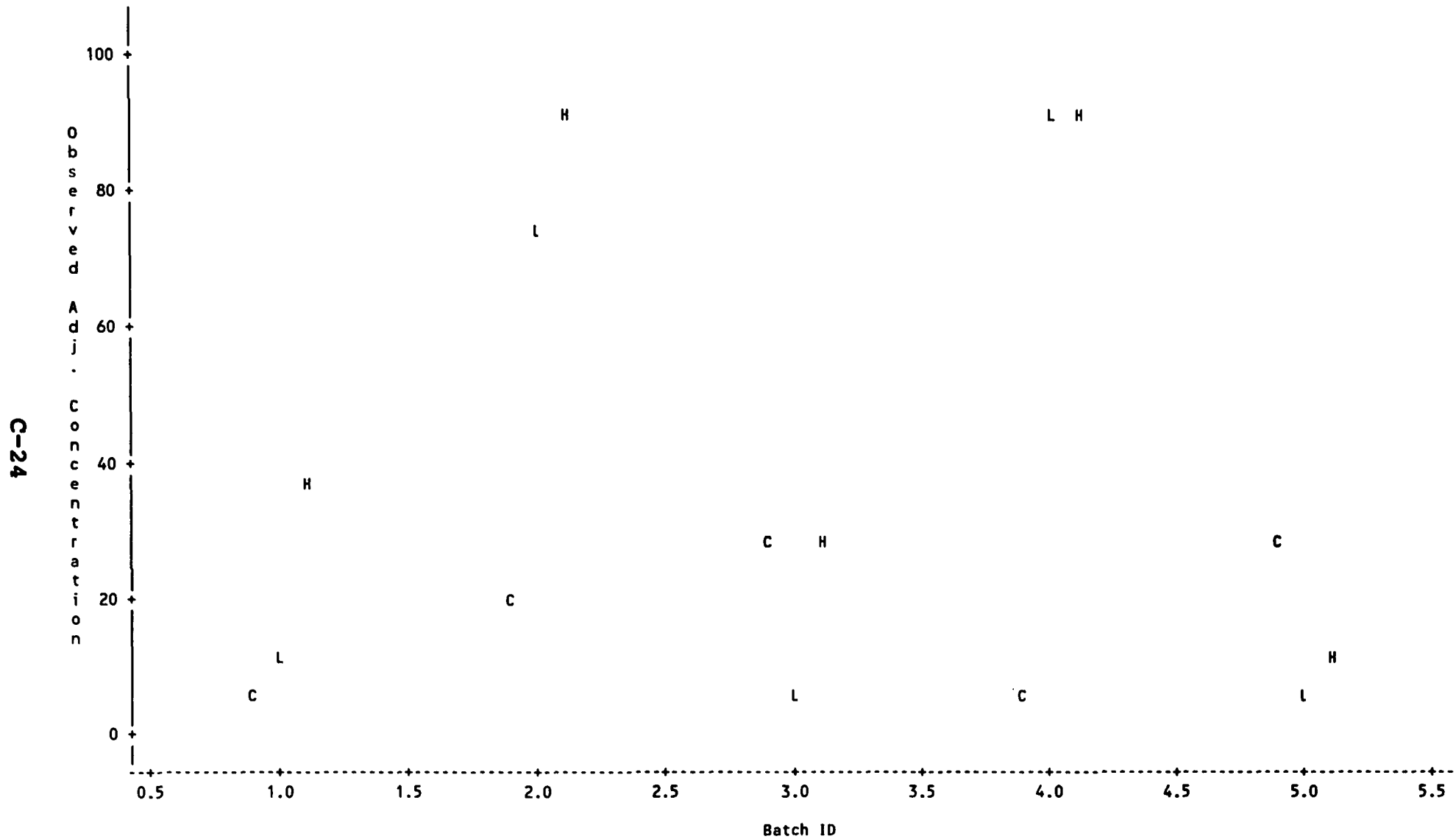
----- COMPOUND=1-NONENE -----



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

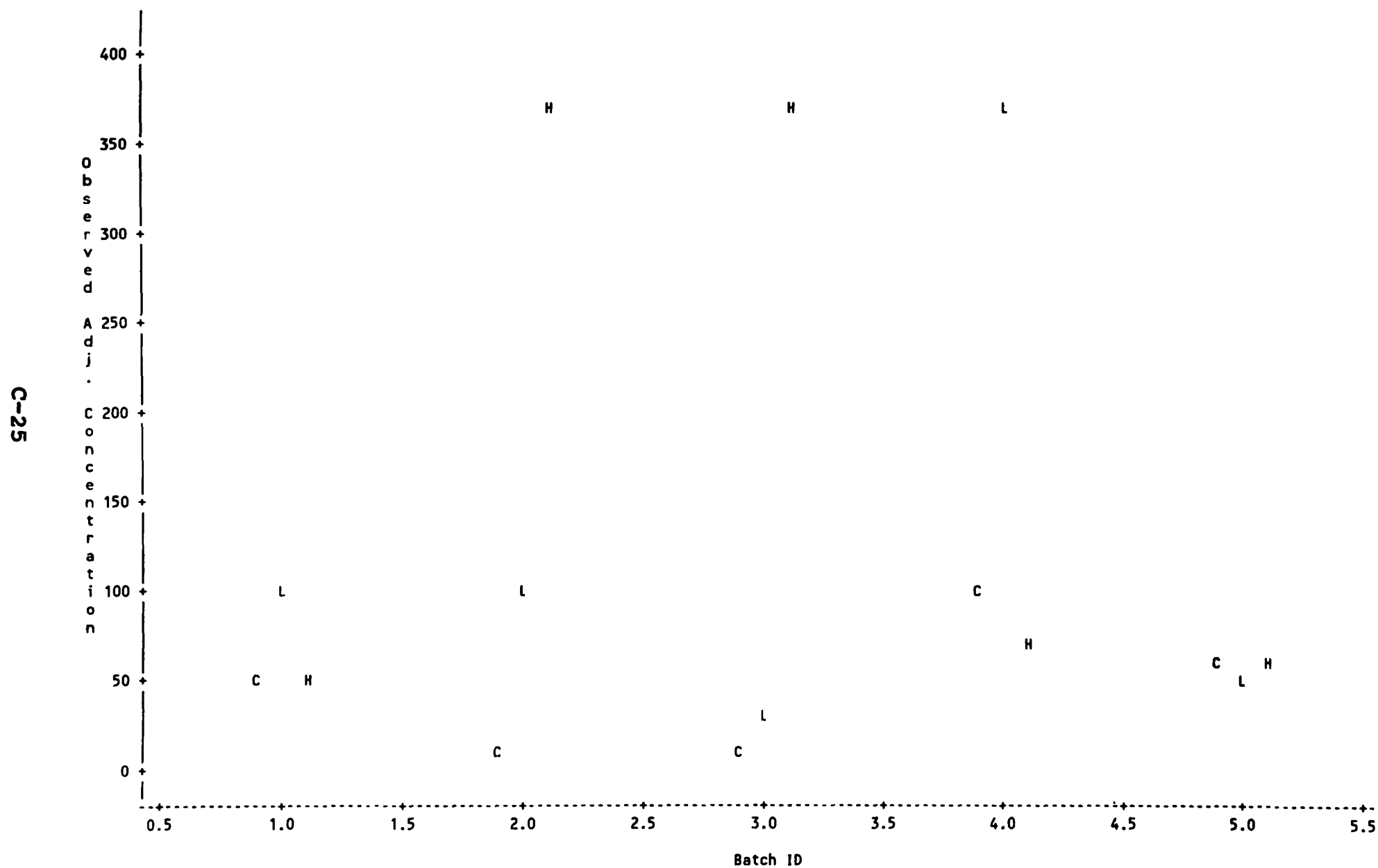
----- COMPOUND=1,2,4-TRIMETHYLBENZENE -----



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

Plots of Observed Concentrations (ng/g, Adjusted for Surrogate Recoveries)  
versus Batch ID for Unspiked Compounds Detected in At Least 44% of NHATS FY86 Composites

----- COMPOUND=HEXYL ACETATE -----



Plotting symbols: C=Control sample, L=Low-spiked sample, H=High-spiked sample

## **APPENDIX D**

**Summary of QC Data for FY86 NHATS Spiked Semivolatile Compounds  
Not on the Target List for Statistical Analysis**

**Summary of QC Data for the FY86 NHATS Spiked Compounds not on the Target List**

| Compound                   | Spike Level | # Samples | # Detected | Avg. Spike Level (ng/g) | Avg. Observed Conc. (ng/g) | Background Adjusted Recovery (%) | Std. Dev. of Conc. (ng/g) | C.V. (%) |
|----------------------------|-------------|-----------|------------|-------------------------|----------------------------|----------------------------------|---------------------------|----------|
| O,P-DDT                    | MB          | 5         | 0          | -                       | 3.60                       | -                                | 1.41                      | 39.12    |
|                            | Control     | 5         | 0          | 0.00                    | 3.21                       | -                                | 1.15                      | 35.78    |
|                            | Low         | 5         | 0          | 69.48                   | 8.10                       | 7.04                             | 1.06                      | 13.10    |
|                            | High        | 5         | 0          | 276.65                  | 22.79                      | 7.07                             | 1.45                      | 6.34     |
| GAMMA-CHLORDANE            | MB          | 5         | 0          | -                       | 3.57                       | -                                | 1.40                      | 39.12    |
|                            | Control     | 5         | 0          | 0.00                    | 3.26                       | -                                | 1.15                      | 35.18    |
|                            | Low         | 5         | 5          | 56.35                   | 62.20                      | 104.51                           | 11.93                     | 19.18    |
|                            | High        | 5         | 5          | 224.34                  | 230.09                     | 101.11                           | 35.31                     | 15.35    |
| MIREX                      | MB          | 5         | 0          | -                       | 3.50                       | -                                | 1.37                      | 39.01    |
|                            | Control     | 5         | 2          | 0.00                    | 6.88                       | -                                | 5.16                      | 74.98    |
|                            | Low         | 5         | 5          | 54.84                   | 68.96                      | 113.10                           | 18.64                     | 27.03    |
|                            | High        | 5         | 5          | 218.30                  | 230.86                     | 102.69                           | 33.88                     | 14.68    |
| DIELDRIN (UNADJ.)          | MB          | 4         | 0          | -                       | 24.20                      | -                                | 0.00                      | 0.00     |
|                            | Control     | 5         | 2          | 0.00                    | 66.10                      | -                                | 43.72                     | 66.15    |
|                            | Low         | 5         | 3          | 55.34                   | 107.68                     | 75.39                            | 84.47                     | 78.44    |
|                            | High        | 5         | 4          | 220.32                  | 177.74                     | 50.72                            | 106.80                    | 60.09    |
| 1,2,4-<br>TRICHLOROBENZENE | MB          | 5         | 0          | -                       | 3.35                       | -                                | 1.31                      | 39.12    |
|                            | Control     | 5         | 0          | 0.00                    | 5.00                       | -                                | 1.93                      | 38.49    |
|                            | Low         | 5         | 4          | 52.31                   | 42.81                      | 72.41                            | 20.56                     | 48.03    |
|                            | High        | 5         | 5          | 208.24                  | 199.80                     | 93.60                            | 39.93                     | 19.98    |

**Summary of QC Data for the FY86 NHATS Spiked Compounds not on the Target List (cont.)**

| Compound                       | Spike Level | # Samples | # Detected | Avg. Spike Level (ng/g) | Avg. Observed Conc. (ng/g) | Background Adjusted Recovery (%) | Std. Dev. of Conc. (ng/g) | C.V. (%) |
|--------------------------------|-------------|-----------|------------|-------------------------|----------------------------|----------------------------------|---------------------------|----------|
| 1,2,4,5-TETRACHLOROBENZENE     | MB          | 5         | 0          | -                       | 3.56                       | -                                | 1.40                      | 39.34    |
|                                | Control     | 5         | 0          | 0.00                    | 4.51                       | -                                | 1.68                      | 37.18    |
|                                | Low         | 5         | 5          | 72.71                   | 61.92                      | 78.88                            | 9.62                      | 15.53    |
|                                | High        | 5         | 5          | 289.73                  | 255.32                     | 86.62                            | 29.42                     | 11.52    |
| DIETHYL PHTHALATE              | MB          | 4         | 0          | -                       | 6.89                       | -                                | 2.77                      | 40.29    |
|                                | Control     | 5         | 3          | 0.00                    | 19.88                      | -                                | 10.72                     | 53.93    |
|                                | Low         | 5         | 4          | 58.07                   | 49.78                      | 51.36                            | 43.53                     | 87.45    |
|                                | High        | 5         | 4          | 231.38                  | 115.04                     | 41.28                            | 88.62                     | 77.03    |
| TRIS (2-CHLOROETHYL) PHOSPHATE | MB          | 4         | 0          | -                       | 28.60                      | -                                | 0.00                      | 0.00     |
|                                | Control     | 5         | 0          | 0.00                    | 50.27                      | -                                | 21.84                     | 43.44    |
|                                | Low         | 5         | 0          | 939.19                  | 101.37                     | 5.47                             | 13.88                     | 13.69    |
|                                | High        | 5         | 0          | 3742.4                  | 296.66                     | 6.58                             | 10.91                     | 3.68     |
| TRIPHENYL PHOSPHATE            | MB          | 4         | 0          | -                       | 10.24                      | -                                | 0.03                      | 0.24     |
|                                | Control     | 5         | 0          | 0.00                    | 18.48                      | -                                | 7.85                      | 42.48    |
|                                | Low         | 5         | 2          | 48.47                   | 48.19                      | 61.23                            | 39.71                     | 82.39    |
|                                | High        | 5         | 3          | 193.15                  | 100.02                     | 42.38                            | 82.09                     | 82.08    |
| PHENANTHRENE                   | MB          | 5         | 0          | -                       | 3.67                       | -                                | 1.44                      | 39.23    |
|                                | Control     | 5         | 2          | 0.00                    | 5.50                       | -                                | 1.78                      | 32.33    |
|                                | Low         | 5         | 5          | 59.58                   | 68.23                      | 105.35                           | 8.51                      | 12.48    |
|                                | High        | 5         | 5          | 237.42                  | 245.98                     | 101.30                           | 24.20                     | 9.84     |

**Summary of QC Data for the FY86 NHATS Spiked Compounds not on the Target List (cont.)**

| Compound             | Spike Level | # Samples | # Detected | Avg. Spike Level (ng/g) | Avg. Observed Conc. (ng/g) | Background Adjusted Recovery (%) | Std. Dev. of Conc. (ng/g) | C.V. (%) |
|----------------------|-------------|-----------|------------|-------------------------|----------------------------|----------------------------------|---------------------------|----------|
| CHRYSENE             | MB          | 5         | 0          | -                       | 3.47                       | -                                | 1.36                      | 39.12    |
|                      | Control     | 5         | 2          | 0.00                    | 7.06                       | -                                | 4.24                      | 59.97    |
|                      | Low         | 5         | 4          | 12.83                   | 14.28                      | 56.45                            | 6.84                      | 47.92    |
|                      | High        | 5         | 5          | 51.00                   | 57.16                      | 98.12                            | 12.66                     | 22.15    |
| BENZO (A) PYRENE     | MB          | 5         | 0          | -                       | 3.24                       | -                                | 1.27                      | 39.12    |
|                      | Control     | 5         | 0          | 0.00                    | 3.21                       | -                                | 1.23                      | 38.16    |
|                      | Low         | 5         | 1          | 60.90                   | 9.54                       | 10.38                            | 11.52                     | 120.80   |
|                      | High        | 5         | 4          | 242.45                  | 46.48                      | 17.74                            | 48.39                     | 104.11   |
| HEXACHLORO BUTADIENE | MB          | 5         | 0          | -                       | 3.95                       | -                                | 1.55                      | 39.22    |
|                      | Control     | 5         | 0          | 0.00                    | 3.61                       | -                                | 1.39                      | 38.52    |
|                      | Low         | 5         | 5          | 49.48                   | 31.44                      | 56.27                            | 4.54                      | 14.44    |
|                      | High        | 5         | 5          | 197.18                  | 150.11                     | 74.39                            | 28.00                     | 18.65    |
| 2-PHENYL PHENOL      | MB          | 4         | 0          | -                       | 4.93                       | -                                | 0.00                      | 0.00     |
|                      | Control     | 5         | 0          | 0.00                    | 8.54                       | -                                | 3.78                      | 44.26    |
|                      | Low         | 5         | 2          | 52.29                   | 23.50                      | 28.65                            | 16.85                     | 71.69    |
|                      | High        | 5         | 4          | 208.24                  | 91.70                      | 39.75                            | 61.94                     | 67.54    |
| MONOCHLOROBIPHENYLS  | MB          | 5         | 0          | -                       | 4.10                       | -                                | 0.00                      | 0.00     |
|                      | Control     | 5         | 0          | 0.00                    | 3.95                       | -                                | 0.06                      | 1.51     |
|                      | Low         | 5         | 5          | 63.93                   | 56.84                      | 82.68                            | 6.00                      | 10.55    |
|                      | High        | 5         | 5          | 254.52                  | 233.10                     | 90.01                            | 18.24                     | 7.82     |

**Summary of QC Data for the FY86 NHATS Spiked Compounds not on the Target List (cont.)**

| Compound            | Spike Level | # Samples | # Detected | Avg. Spike Level (ng/g) | Avg. Observed Conc. (ng/g) | Background Adjusted Recovery (%) | Std. Dev. of Conc. (ng/g) | C.V. (%) |
|---------------------|-------------|-----------|------------|-------------------------|----------------------------|----------------------------------|---------------------------|----------|
| DICHLOROBIPHENYLS   | MB          | 5         | 0          | -                       | 4.15                       | -                                | 0.00                      | 0.00     |
|                     | Control     | 5         | 0          | 0.00                    | 3.77                       | -                                | 0.05                      | 1.45     |
|                     | Low         | 5         | 5          | 70.49                   | 65.88                      | 88.04                            | 11.02                     | 16.73    |
|                     | High        | 5         | 5          | 280.68                  | 253.88                     | 89.14                            | 24.81                     | 9.77     |
| TRICHLOROBIPHENYLS  | MB          | 5         | 0          | -                       | 5.60                       | -                                | 0.00                      | 0.00     |
|                     | Control     | 5         | 2          | 0.00                    | 10.60                      | -                                | 4.80                      | 45.27    |
|                     | Low         | 5         | 4          | 62.11                   | 61.85                      | 82.48                            | 19.90                     | 32.18    |
|                     | High        | 5         | 5          | 247.48                  | 245.86                     | 95.17                            | 37.78                     | 15.37    |
| NONACHLOROBIPHENYLS | MB          | 5         | 0          | -                       | 8.95                       | -                                | 0.00                      | 0.00     |
|                     | Control     | 5         | 2          | 0.00                    | 28.81                      | -                                | 23.26                     | 80.73    |
|                     | Low         | 5         | 5          | 388.81                  | 502.79                     | 121.88                           | 117.83                    | 23.43    |
|                     | High        | 5         | 5          | 1549.3                  | 1730.29                    | 109.96                           | 487.76                    | 28.19    |
| DECACHLOROBIPHENYL  | MB          | 5         | 0          | -                       | 11.35                      | -                                | 0.00                      | 0.00     |
|                     | Control     | 5         | 2          | 0.00                    | 19.78                      | -                                | 9.76                      | 49.31    |
|                     | Low         | 5         | 4          | 242.37                  | 331.82                     | 128.74                           | 149.70                    | 45.12    |
|                     | High        | 5         | 5          | 966.78                  | 1231.57                    | 125.50                           | 372.88                    | 30.28    |
| D,L-ISOBORNEOL      | MB          | 5         | 0          | -                       | 3.74                       | -                                | 1.47                      | 39.23    |
|                     | Control     | 5         | 0          | 0.00                    | 3.57                       | -                                | 1.32                      | 36.94    |
|                     | Low         | 5         | 4          | 67.46                   | 24.01                      | 30.36                            | 12.35                     | 51.41    |
|                     | High        | 5         | 4          | 268.61                  | 96.15                      | 34.43                            | 45.22                     | 47.03    |

**Summary of QC Data for the FY86 NHATS Spiked Compounds not on the Target List (cont.)**

| Compound             | Spike Level | # Samples | # Detected | Avg. Spike Level (ng/g) | Avg. Observed Conc. (ng/g) | Background Adjusted Recovery (%) | Std. Dev. of Conc. (ng/g) | C.V. (%) |
|----------------------|-------------|-----------|------------|-------------------------|----------------------------|----------------------------------|---------------------------|----------|
| 2-INDANONE           | MB          | 5         | 0          | -                       | 3.53                       | -                                | 1.39                      | 39.23    |
|                      | Control     | 5         | 0          | 0.00                    | 3.51                       | -                                | 1.21                      | 34.48    |
|                      | Low         | 5         | 0          | 43.73                   | 6.31                       | 6.42                             | 1.18                      | 18.62    |
|                      | High        | 5         | 0          | 174.04                  | 14.92                      | 6.56                             | 1.43                      | 9.59     |
| COUMARIN             | MB          | 5         | 0          | -                       | 3.54                       | -                                | 1.38                      | 39.12    |
|                      | Control     | 5         | 0          | 0.00                    | 3.46                       | -                                | 1.24                      | 35.96    |
|                      | Low         | 5         | 0          | 63.62                   | 7.63                       | 6.55                             | 1.16                      | 15.23    |
|                      | High        | 5         | 0          | 253.52                  | 20.18                      | 6.59                             | 1.51                      | 7.47     |
| ETHYL HYDROCINNAMATE | MB          | 4         | 0          | -                       | 11.77                      | -                                | 0.05                      | 0.42     |
|                      | Control     | 5         | 0          | 0.00                    | 21.13                      | -                                | 9.02                      | 42.67    |
|                      | Low         | 5         | 3          | 82.59                   | 66.20                      | 54.53                            | 36.51                     | 55.15    |
|                      | High        | 5         | 4          | 328.97                  | 167.64                     | 44.62                            | 81.88                     | 48.84    |

## **APPENDIX E**

**Characterizing the Distribution of NHATS FY86  
Semivolatile Compound Concentrations (in ng/g,  
Unadjusted for Surrogate Recoveries)  
Based on All 50 Composite Samples**

**Characterizing the Distribution of NHATS FY86 Semivolatile Compound  
Concentrations (in ng/g, Unadjusted for Surrogate Recoveries) Based on All 50 Composite Samples<sup>(1)</sup>**

| Compound Number<br>and Name   | Percent<br>Detected | Avg.<br>LOD | Avg.<br>Conc. | Minimum<br>Conc. <sup>(2)</sup> | Median<br>Conc. | Maximum<br>Conc. |
|-------------------------------|---------------------|-------------|---------------|---------------------------------|-----------------|------------------|
| <b>PESTICIDES</b>             |                     |             |               |                                 |                 |                  |
| 1 P,P-DDT                     | 96                  | 9.14        | 227.          | <5.88                           | 133             | 1470.            |
| 2 O,P-DDT                     | 0                   | 10.9        | 5.46          | <5.45                           | 3.62            | 35.7             |
| 3 P,P-DDE (M/Z=288)           | 100                 | --          | 3010.         | 291.                            | 2290.           | 11400.           |
| 3 P,P-DDE (M/Z=316)           | 100                 | --          | 2950.         | 273.                            | 2020.           | 14300.           |
| 4 O,P-DDE                     | 0                   | 13.7        | 6.87          | <6.86                           | 4.55            | 45.0             |
| 5 O,P-DDD                     | 0                   | 13.5        | 6.75          | <6.74                           | 4.47            | 44.2             |
| 6 ALPHA-BHC                   | 0                   | 11.0        | 5.50          | <5.49                           | 3.65            | 36.0             |
| 7 BETA-BHC                    | 92                  | 30.8        | 209.          | <8.26                           | 199.            | 581.             |
| 8 DELTA-BHC                   | 0                   | 12.3        | 6.15          | <6.14                           | 4.08            | 40.3             |
| 9 GAMMA-BHC (LINDANE)         | 4                   | 11.7        | 8.74          | <5.89                           | 3.91            | 118.             |
| 10 ALDRIN                     | 0                   | 11.6        | 5.79          | <5.71                           | 3.79            | 37.5             |
| 11 HEPTACHLOR                 | 0                   | 35.2        | 17.6          | <5.48                           | 3.64            | 600.             |
| 12 HEPTACHLOR EPOXIDE         | 94                  | 31.9        | 81.3          | <13.2                           | 80.2            | 218.             |
| 13 OXYCHLORDANE               | 78                  | 20.0        | 123.          | <8.97                           | 140.            | 366.             |
| 14 TRANS-NONACHLOR            | 92                  | 26.9        | 161.          | <11.2                           | 145.            | 612.             |
| 15 GAMMA-CHLORDANE            | 0                   | 10.8        | 5.41          | <5.40                           | 3.59            | 35.4             |
| 16 MIREX                      | 32                  | 10.9        | 12.1          | <5.41                           | 6.15            | 51.6             |
| 60 DIELDRIN                   | 12                  | 123.        | 70.0          | <52.9                           | 59.0            | 337.             |
| 60 DIELDRIN (CORRECTED)       | 62                  |             | 54.3          | 7.41                            | 36.2            | 337.             |
| 61 ENDRIN                     | 0                   | 146.        | 72.8          | <65.6                           | 67.5            | 417.             |
| 62 ENDRIN KETONE              | 2                   | 85.3        | 43.4          | <38.4                           | 39.8            | 244.             |
| <b>CHLOROBENZENES</b>         |                     |             |               |                                 |                 |                  |
| 17 1,3-DICHLOROBENZENE        | 0                   | 10.1        | 5.04          | <5.03                           | 3.34            | 33.0             |
| 18 1,4-DICHLOROBENZENE        | 86                  | 16.7        | 78.4          | <4.97                           | 50.1            | 279.             |
| 19 1,2-DICHLOROBENZENE        | 0                   | 10.3        | 5.14          | <5.04                           | 3.35            | 33.0             |
| 20 1,2,3-TRICHLOROBENZENE     | 0                   | 11.8        | 5.88          | <5.87                           | 3.90            | 38.5             |
| 21 1,2,4-TRICHLOROBENZENE     | 0                   | 10.2        | 5.08          | <5.07                           | 3.37            | 33.3             |
| 22 1,3,5-TRICHLOROBENZENE     | 0                   | 11.1        | 5.53          | <5.52                           | 3.67            | 36.2             |
| 23 1,2,3,4-TETRACHLOROBENZENE | 0                   | 11.7        | 5.84          | <5.84                           | 3.88            | 38.3             |
| 24 1,2,3,5-TETRACHLOROBENZENE | 0                   | 11.6        | 5.79          | <5.78                           | 3.84            | 37.9             |
| 25 1,2,4,5-TETRACHLOROBENZENE | 0                   | 10.8        | 5.38          | <5.38                           | 3.57            | 35.3             |

**Characterizing the Distribution of NHATS FY86 Semivolatile Compound  
Concentrations (in ng/g, Unadjusted for Surrogate Recoveries) Based on All 50 Composite Samples (cont.)**

| Compound Number<br>and Name   | Percent<br>Detected | Avg.<br>LOD | Avg.<br>Conc. | Minimum<br>Conc. <sup>(2)</sup> | Median<br>Conc. | Maximum<br>Conc. |
|-------------------------------|---------------------|-------------|---------------|---------------------------------|-----------------|------------------|
| <b>CHLOROBENZENES (cont.)</b> |                     |             |               |                                 |                 |                  |
| 26 PENTACHLOROBENZENE         | 0                   | 10.1        | 5.04          | <5.03                           | 3.34            | 33.0             |
| 27 HEXACHLOROBENZENE          | 98                  | 33.0        | 54.7          | 15.0                            | 44.3            | 199.             |
| <b>PAHs</b>                   |                     |             |               |                                 |                 |                  |
| 41 NAPHTHALENE                | 84                  | 13.6        | 20.5          | <5.80                           | 15.5            | 102.             |
| 42 ACENAPHTHALENE             | 0                   | 11.0        | 5.51          | <5.50                           | 3.65            | 36.1             |
| 43 ACENAPHTHENE               | 0                   | 10.7        | 5.36          | <5.35                           | 3.55            | 35.1             |
| 44 FLUORENE                   | 0                   | 12.2        | 6.09          | <6.09                           | 4.04            | 39.9             |
| 45 PHENANTHRENE               | 8                   | 11.1        | 5.92          | <5.66                           | 4.86            | 36.3             |
| 46 FLUORANTHRENE              | 2                   | 10.7        | 5.44          | <5.35                           | 3.76            | 35.1             |
| 47 PYRENE                     | 0                   | 10.2        | 5.11          | <5.10                           | 3.39            | 33.5             |
| 48 CHRYSENE                   | 4                   | 10.7        | 5.61          | <5.25                           | 3.75            | 34.4             |
| 49 BENZO (A) PYRENE           | 0                   | 9.81        | 4.91          | <4.90                           | 3.26            | 32.1             |
| <b>PCBs</b>                   |                     |             |               |                                 |                 |                  |
| 50 MONOCHLOROBIPHENYLS        | 0                   | 12.8        | 6.41          | <8.68                           | 5.05            | 57.0             |
| 51 DICHLOROBIPHENYLS          | 0                   | 13.0        | 6.49          | <8.78                           | 5.12            | 57.5             |
| 52 TRICHLOROBIPHENYLS         | 30                  | 20.2        | 16.5          | <11.9                           | 8.42            | 78.0             |
| 53 TETRACHLOROBIPHENYLS       | 66                  | 69.6        | 88.1          | <9.66                           | 64.1            | 330.             |
| 54 PENTACHLOROBIPHENYLS       | 88                  | 65.0        | 188.          | <20.5                           | 133.            | 612.             |
| 55 HEXACHLOROBIPHENYLS        | 94                  | 110.        | 422.          | <26.1                           | 376.            | 1440.            |
| 56 HEPTACHLOROBIPHENYLS       | 86                  | 65.8        | 176.          | <21.8                           | 133.            | 1150.            |
| 57 OCTACHLOROBIPHENYLS        | 44                  | 33.9        | 60.7          | <19.8                           | 18.4            | 413.             |
| 58 NONACHLOROBIPHENYLS        | 26                  | 32.3        | 25.7          | <18.9                           | 13.4            | 125.             |
| 59 DECACHLOROBIPHENYL         | 28                  | 43.7        | 32.6          | <24.0                           | 17.0            | 158.             |
| <b>PHTHALATE ESTERS</b>       |                     |             |               |                                 |                 |                  |
| 63 DIMETHYL PHTHALATE         | 0                   | 27.1        | 13.6          | <12.2                           | 12.6            | 77.5             |
| 64 DIETHYL PHTHALATE          | 10                  | 27.9        | 17.9          | <12.1                           | 13.4            | 119.             |
| 65 DI-N-BUTYL PHTHALATE       | 76                  | 23.6        | 63.0          | <10.5                           | 31.0            | 831.             |

**Characterizing the Distribution of NHATS FY86 Semivolatile Compound  
Concentrations (in ng/g, Unadjusted for Surrogate Recoveries) Based on All 50 Composite Samples (cont.)**

| Compound Number<br>and Name                  | Percent<br>Detected | Avg.<br>LOD | Avg.<br>Conc. | Minimum<br>Conc. <sup>(2)</sup> | Median<br>Conc. | Maximum<br>Conc. |
|----------------------------------------------|---------------------|-------------|---------------|---------------------------------|-----------------|------------------|
| <b>PHTHALATE ESTERS (cont.)</b>              |                     |             |               |                                 |                 |                  |
| 66 BUTYL BENZYL PHTHALATE                    | 72                  | 26.6        | 58.0          | <11.6                           | 41.8            | 221.             |
| 67 BIS (2-ETHYLHEXYL) PHTHALATE              | 78                  | 27.4        | 1010.         | <11.1                           | 76.8            | 26700.           |
| <b>PHOSPHATE TRIESTERS</b>                   |                     |             |               |                                 |                 |                  |
| 68 TRIBUTYL PHOSPHATE                        | 0                   | 115.        | 57.7          | <51.9                           | 53.5            | 330.             |
| 69 TRIS (2-CHLOROETHYL) PHOSPHATE            | 0                   | 139.        | 69.4          | <62.5                           | 64.5            | 398.             |
| 70 TRIS (2,3-DIBROMOPROPYL)<br>PHOSPHATE     | 0                   | 137.        | 68.5          | <61.7                           | 63.5            | 392.             |
| 71 TRIPHENYL PHOSPHATE                       | 4                   | 50.7        | 30.4          | <22.5                           | 23.5            | 276.             |
| 72 TRITOLYL PHOSPHATE                        | 2                   | 48.0        | 24.3          | <21.6                           | 22.4            | 138.             |
| <b>OTHER</b>                                 |                     |             |               |                                 |                 |                  |
| 28 BIPHENYL                                  | 0                   | 9.68        | 4.84          | <4.83                           | 3.21            | 31.7             |
| 29 1,2-DIBROMO-3-CHLORO PROPANE              | 0                   | 11.7        | 5.83          | <5.82                           | 3.86            | 38.2             |
| 30 HEXACHLORO BUTADIENE                      | 0                   | 12.0        | 5.98          | <5.97                           | 3.96            | 39.2             |
| 31 HEXACHLORO CYCLOPENTADIENE                | 0                   | 10.3        | 5.16          | <5.15                           | 3.42            | 33.8             |
| 32 2,2',4',5-TETRABROMO BIPHENYL             | 0                   | 12.4        | 6.22          | <6.21                           | 4.12            | 40.8             |
| 33 O-CYMENE                                  | 80                  | 17.7        | 21.0          | <6.10                           | 18.4            | 93.2             |
| 34 D-LIMONENE                                | 96                  | 11.7        | 264.          | <6.12                           | 246.            | 785.             |
| 35 D,L-ISOBORNEOL                            | 0                   | 11.3        | 5.66          | <5.65                           | 3.75            | 37.0             |
| 36 1-INDANONE                                | 0                   | 11.2        | 5.59          | <5.58                           | 3.71            | 36.6             |
| 37 2-INDANONE                                | 0                   | 10.7        | 5.34          | <5.33                           | 3.54            | 35.0             |
| 38 BUTYLATED HYDROXYTOLUENE                  | 18                  | 11.3        | 11.8          | <5.56                           | 5.97            | 166.             |
| 39 COUMARIN                                  | 0                   | 10.7        | 5.34          | <5.34                           | 3.54            | 35.0             |
| 40 OCTAMETHYL-CYCLOTETRAISILOXANE            | 72                  | 17.8        | 46.7          | <6.75                           | 27.9            | 312.             |
| 73 ETHYL HYDROCINNAMATE                      | 2                   | 57.3        | 29.1          | <25.8                           | 26.8            | 164.             |
| 74 2-METHOXY-3-METHYLPYRAZINE                | 0                   | 50.5        | 25.3          | <22.8                           | 23.5            | 145.             |
| 75 2,2',4,4',5-PENTACHLORO<br>DIPHENYL ETHER | 0                   | 5.97        | 2.99          | <2.69                           | 2.77            | 17.1             |
| 76 4-CHLORO-P-TERPHENYL                      | 0                   | 40.8        | 20.4          | <18.4                           | 18.9            | 117.             |
| 77 TRICHLORO-P-TERPHENYL                     | 0                   | 62.3        | 31.1          | <28.1                           | 28.9            | 179.             |
| 78 2-PHENYL PHENOL                           | 24                  | 24.0        | 93.7          | <10.8                           | 12.7            | 1820.            |

**Characterizing the Distribution of NHATS FY86 Semivolatile Compound  
Concentrations (in ng/g, Unadjusted for Surrogate Recoveries) Based on All 50 Composite Samples (cont.)**

| Compound Number<br>and Name                               | Percent<br>Detected | Avg.<br>LOD | Avg.<br>Conc. | Minimum<br>Conc. <sup>(2)</sup> | Median<br>Conc. | Maximum<br>Conc. |
|-----------------------------------------------------------|---------------------|-------------|---------------|---------------------------------|-----------------|------------------|
| <b>PESTICIDES (QUALITATIVE) <sup>(3)</sup></b>            |                     |             |               |                                 |                 |                  |
| 85 ISOPHORONE                                             | 16                  | 5.00        | 5.50          | <5.00                           | 2.50            | 100.             |
| 86 DICHOROVOS                                             | 2                   | 5.00        | 3.65          | <5.00                           | 2.50            | 60.0             |
| 98 CHLORPYRIFOS                                           | 28                  | 5.00        | 7.00          | <5.00                           | 2.50            | 40.0             |
| 99 ISOPROPALIN                                            | 10                  | 10.0        | 5.50          | <10.0                           | 5.00            | 10.0             |
| 100 BUTACHLOR                                             | 12                  | 5.00        | 9.60          | <5.00                           | 2.50            | 200.             |
| 101 NITROFEN                                              | 8                   | 5.00        | 16.1          | <5.00                           | 2.50            | 300.             |
| 102 PERTHANE                                              | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 106 DICOVOL                                               | 6                   | 5.00        | 11.2          | <5.00                           | 2.50            | 300.             |
| 107 P.P'-METHOXYCHLOR                                     | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| <b>CHLORINATED AROMATICS (QUALITATIVE) <sup>(3)</sup></b> |                     |             |               |                                 |                 |                  |
| 88 2,4,6-TRICHLOROANISOLE                                 | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 89 2,4,6-TRICHLOROPHENOL                                  | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 90 2,4,5-TRICHLOROPHENOL                                  | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 91 2,3,6-TRICHLOROANISOLE                                 | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 92 2,3,6-TRICHLOROPHENOL                                  | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 95 PENTACHLOROANISOLE                                     | 2                   | 10.0        | 5.10          | <10.0                           | 5.00            | 10.0             |
| 96 PENTACHLORONITROBENZENE                                | 0                   | 5.00        | 2.50          | <5.00                           | 2.50            | 2.50             |
| 97 2,3,4-TRICHLOROANISOLE                                 | 4                   | 10.0        | 10.0          | <10.0                           | 5.00            | 200.             |
| 110 OCTACHLORONAPHTHALENE                                 | 2                   | 10.0        | 5.30          | <10.0                           | 5.00            | 20.0             |
| <b>PAHs (QUALITATIVE) <sup>(3)</sup></b>                  |                     |             |               |                                 |                 |                  |
| 105 BENZO (A) ANTHRACENE                                  | 26                  | 5.00        | 4.45          | <5.00                           | 2.50            | 10.0             |
| 108 BENZO (B) FLUORANTHENE                                | 10                  | 5.00        | 3.79          | <5.00                           | 2.50            | 30.0             |
| 109 BENZO (K) FLUORANTHENE                                | 4                   | 5.00        | 8.60          | <5.00                           | 2.50            | 300.             |
| 111 DIBENZO (A,H) ANTHRACENE                              | 0                   | 5.00        | 2.50          | <5.00                           | 2.50            | 2.50             |
| <b>OTHER (QUALITATIVE) <sup>(3)</sup></b>                 |                     |             |               |                                 |                 |                  |
| 79 1-NONENE                                               | 50                  | 20.0        | 112.          | <20.0                           | 15.0            | 800.             |
| 80 CUMENE                                                 | 34                  | 5.00        | 11.9          | <5.00                           | 2.50            | 200.             |

**Characterizing the Distribution of NHATS FY86 Semivolatile Compound  
Concentrations (in ng/g, Unadjusted for Surrogate Recoveries) Based on All 50 Composite Samples (cont.)**

| Compound Number<br>and Name                      |                            | Percent<br>Detected | Avg.<br>LOD | Avg.<br>Conc. | Minimum<br>Conc. <sup>(2)</sup> | Median<br>Conc. | Maximum<br>Conc. |
|--------------------------------------------------|----------------------------|---------------------|-------------|---------------|---------------------------------|-----------------|------------------|
| <b>OTHER (QUALITATIVE)<sup>(3)</sup> (cont.)</b> |                            |                     |             |               |                                 |                 |                  |
| 81                                               | 1,2,4-TRIMETHYLBENZENE     | 62                  | 5.00        | 39.5          | <5.00                           | 25.0            | 200.             |
| 82                                               | HEXYL ACETATE              | 82                  | 5.00        | 132.          | <5.00                           | 85.0            | 800.             |
| 83                                               | 1,3-DIETHYLBENZENE         | 8                   | 10.0        | 6.20          | <10.0                           | 5.00            | 20.0             |
| 84                                               | 1,4-DIETHYLBENZENE         | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 87                                               | QUINOLINE                  | 8                   | 10.0        | 15.6          | <10.0                           | 5.00            | 400.             |
| 93                                               | DIBENZOFURAN               | 0                   | 20.0        | 10.0          | <20.0                           | 10.0            | 10.0             |
| 94                                               | CHLORDANE                  | 2                   | 10.0        | 6.90          | <10.0                           | 5.00            | 100.             |
| 103                                              | CHLOROBENZYLATE            | 0                   | 10.0        | 5.00          | <10.0                           | 5.00            | 5.00             |
| 104                                              | BIS (2-ETHYLHEXYL) ADIPATE | 10                  | 9.89        | 11.9          | <5.00                           | 5.00            | 100.             |

(1) Concentrations expressed in ng/g. Concentrations for not detected results are replaced by one-half of the detection limit (LOD) prior to calculating statistics. Data for all 50 composite samples are included in the statistics for all compounds.

(2) "<" indicates the minimum reported concentration was at the indicated detection limit.

(3) Qualitative compounds were only monitored for detection versus non-detection.

## **APPENDIX F**

**Estimates of Average Concentrations with 95% Confidence Intervals  
As Determined by the Additive Model,  
for Selected Subpopulations in the FY86 NHATS**

Codes used on the horizontal axes in the Appendix F plots:

Census region

NC = North Central

NE = North East

S = South

W = West

Race

W = White

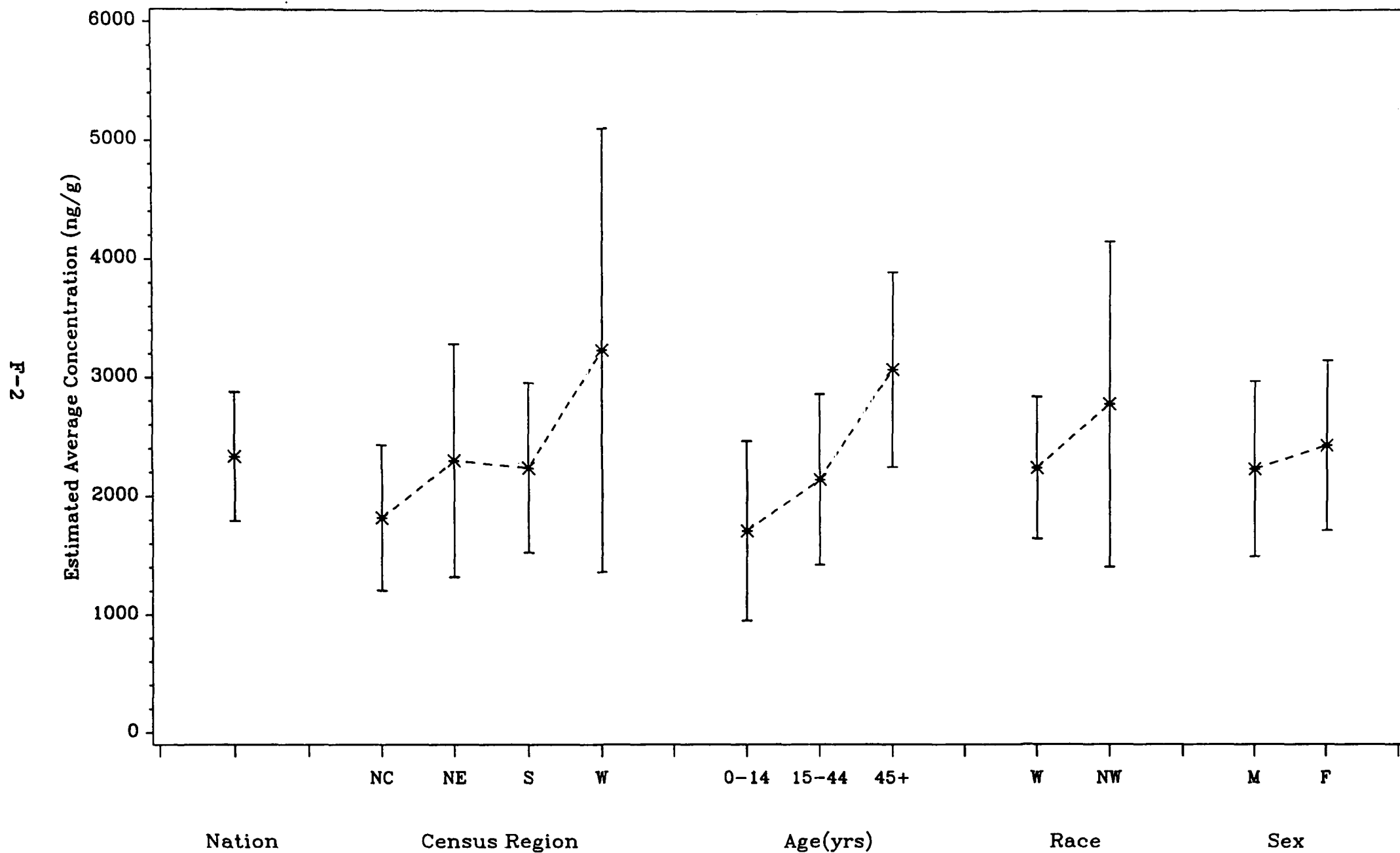
NW = Nonwhite

Sex

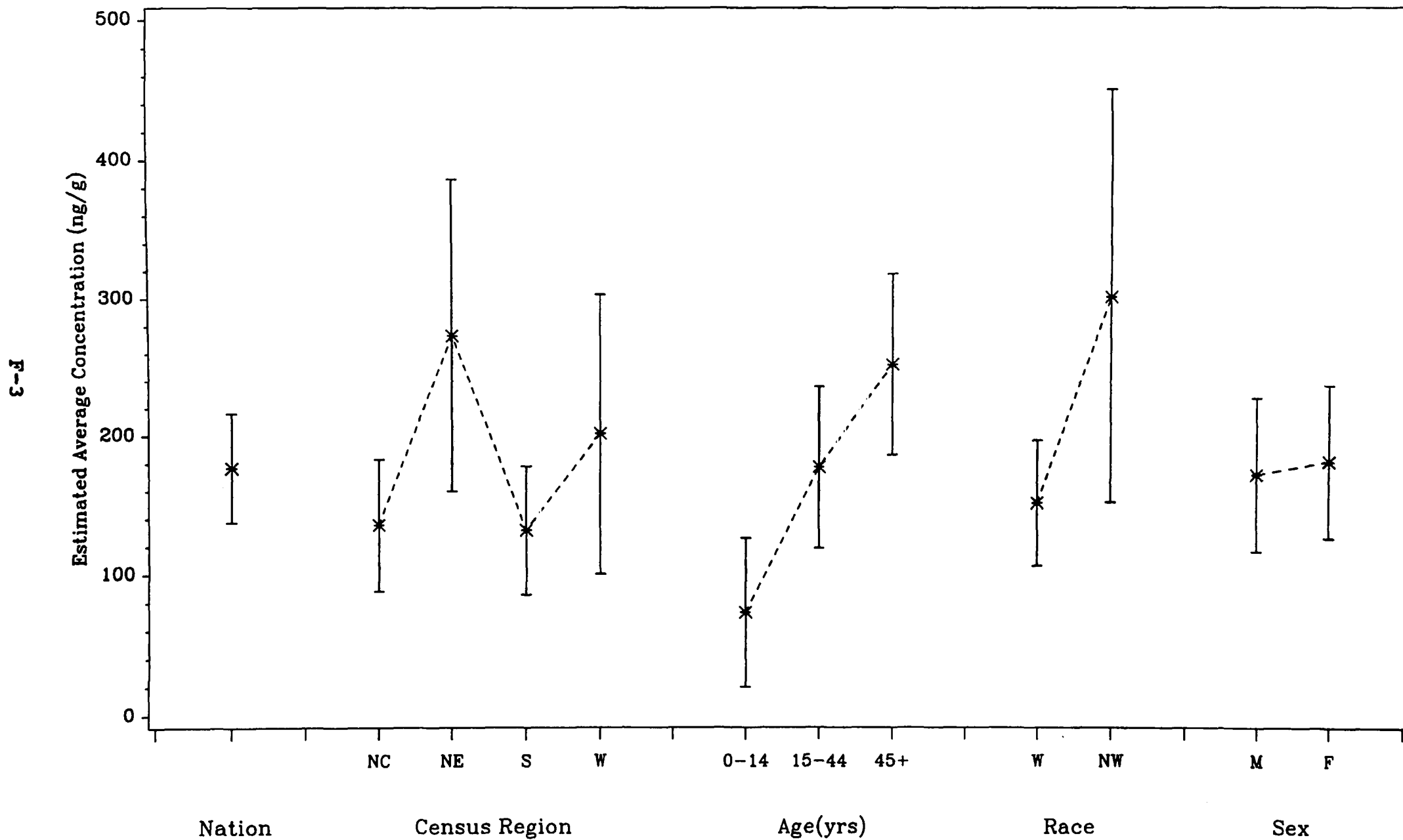
M = Male

F = Female

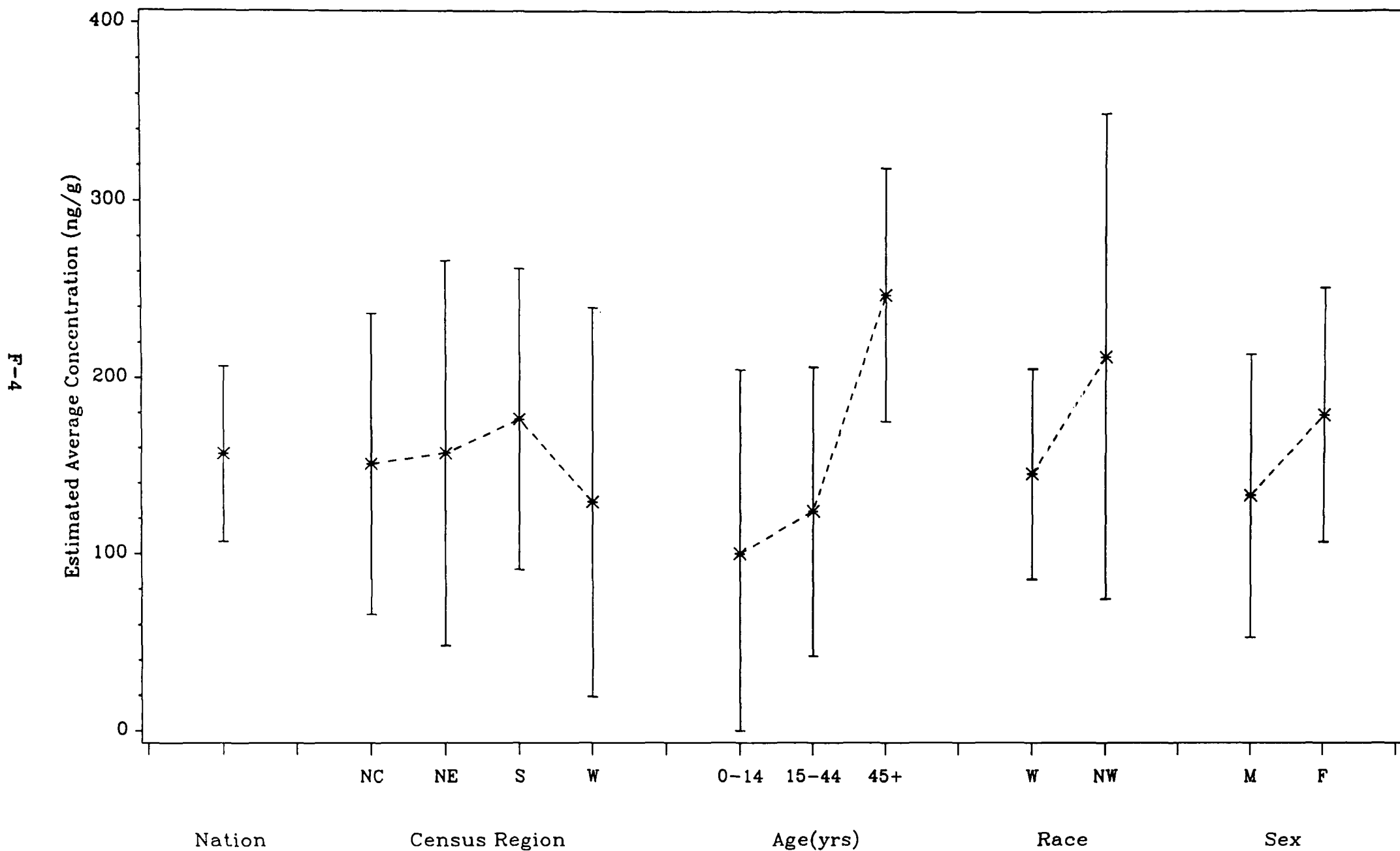
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=p,p-DDE



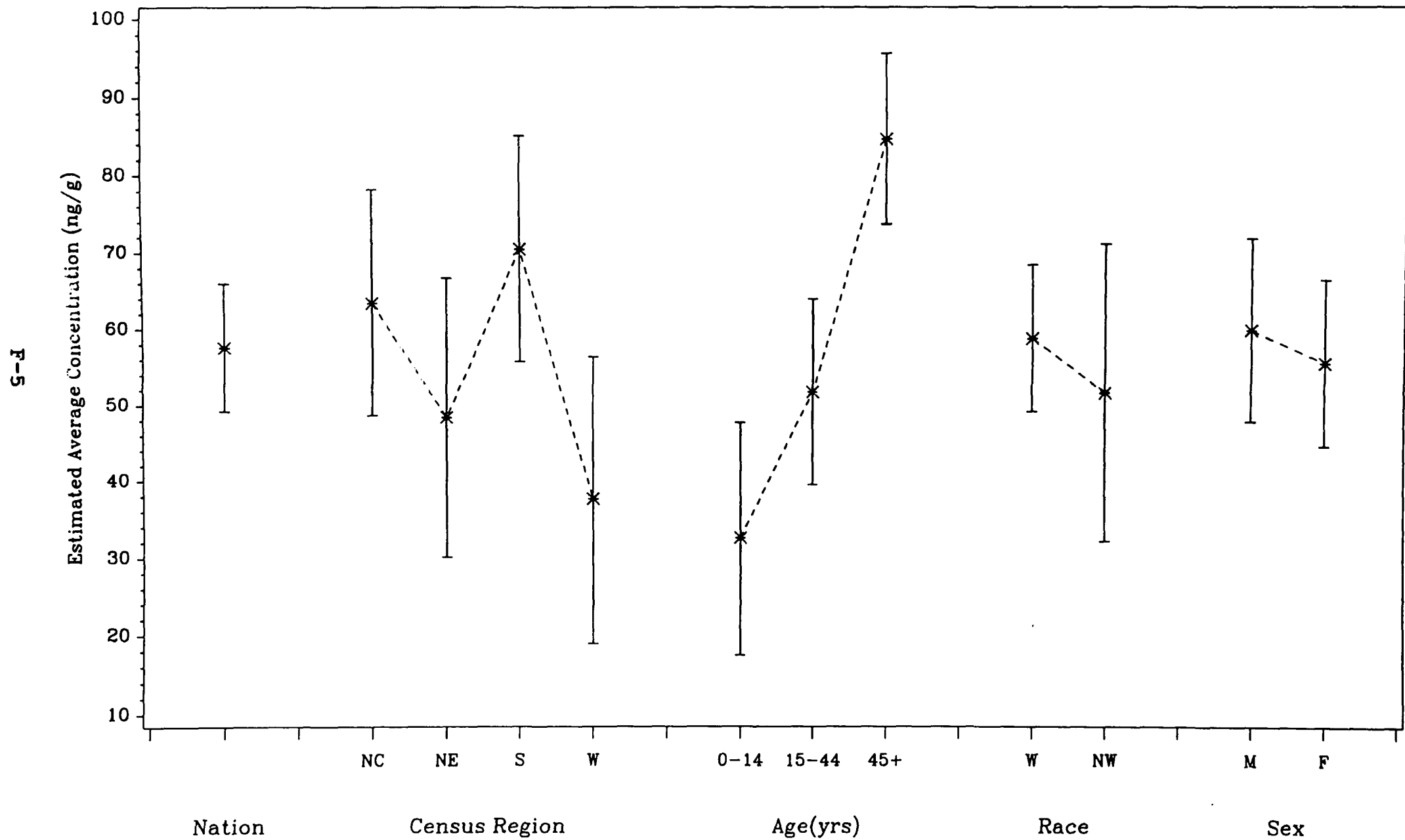
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=p,p-DDT



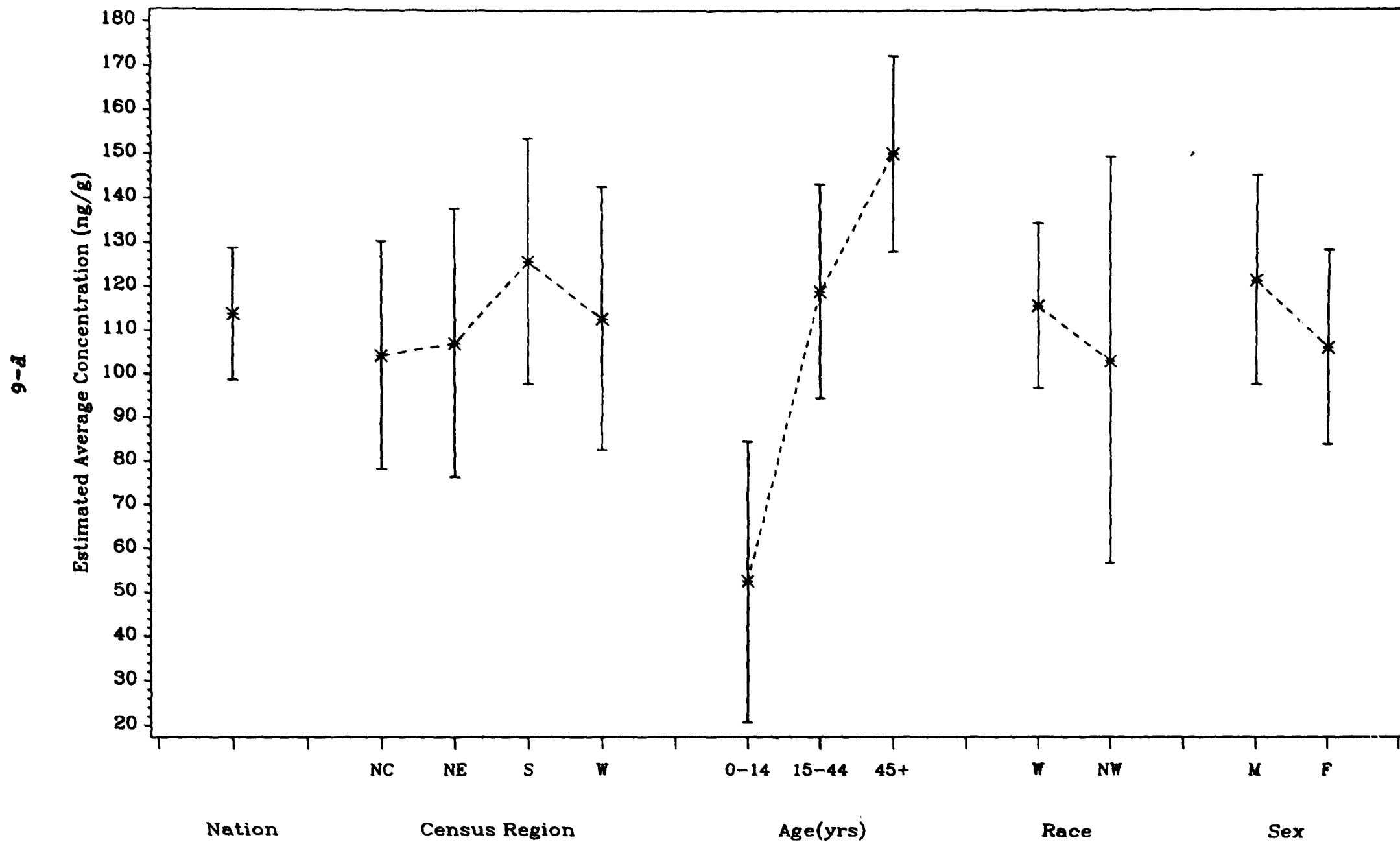
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Beta-BHC



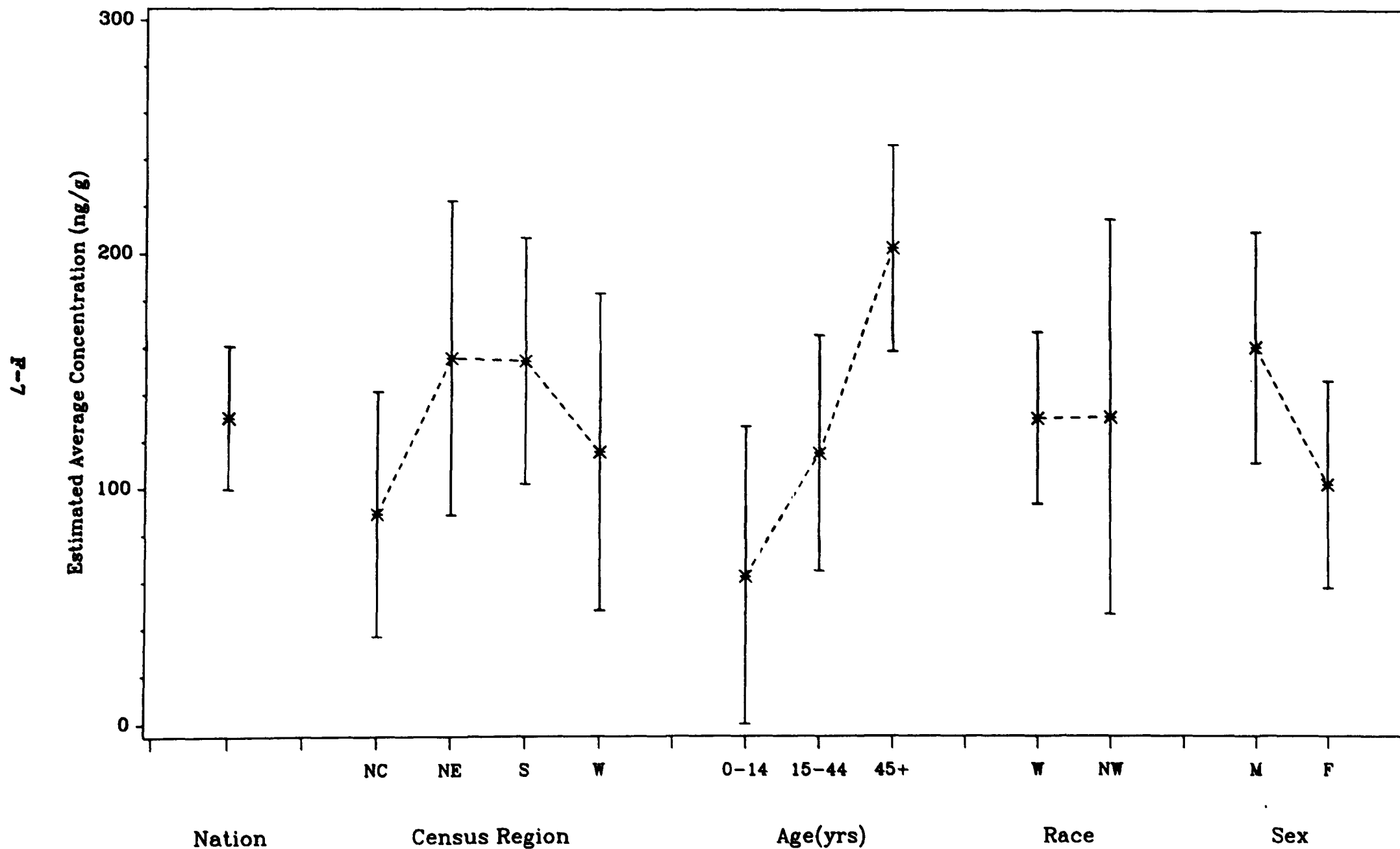
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Heptachlor epoxide



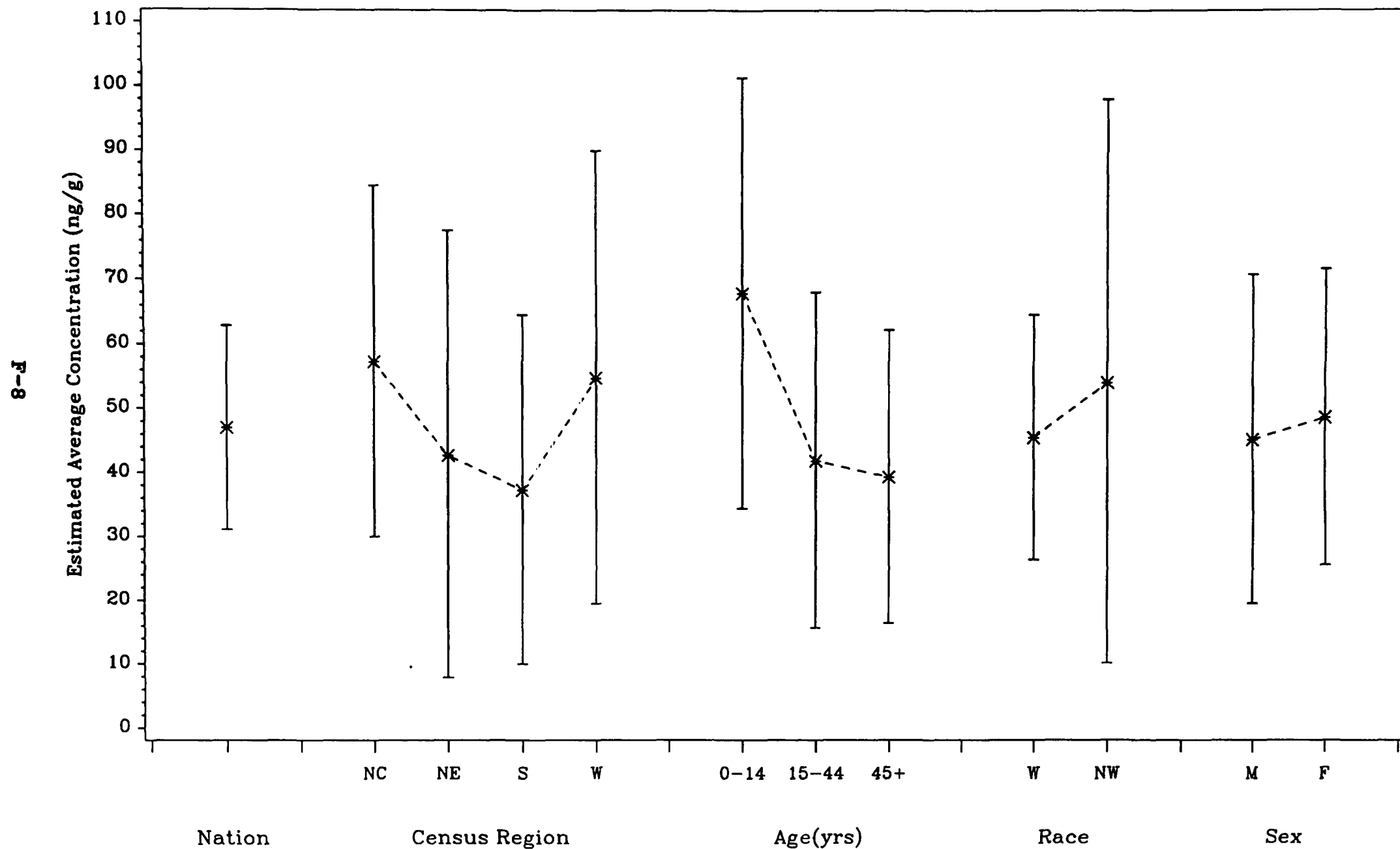
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Oxychlorthane



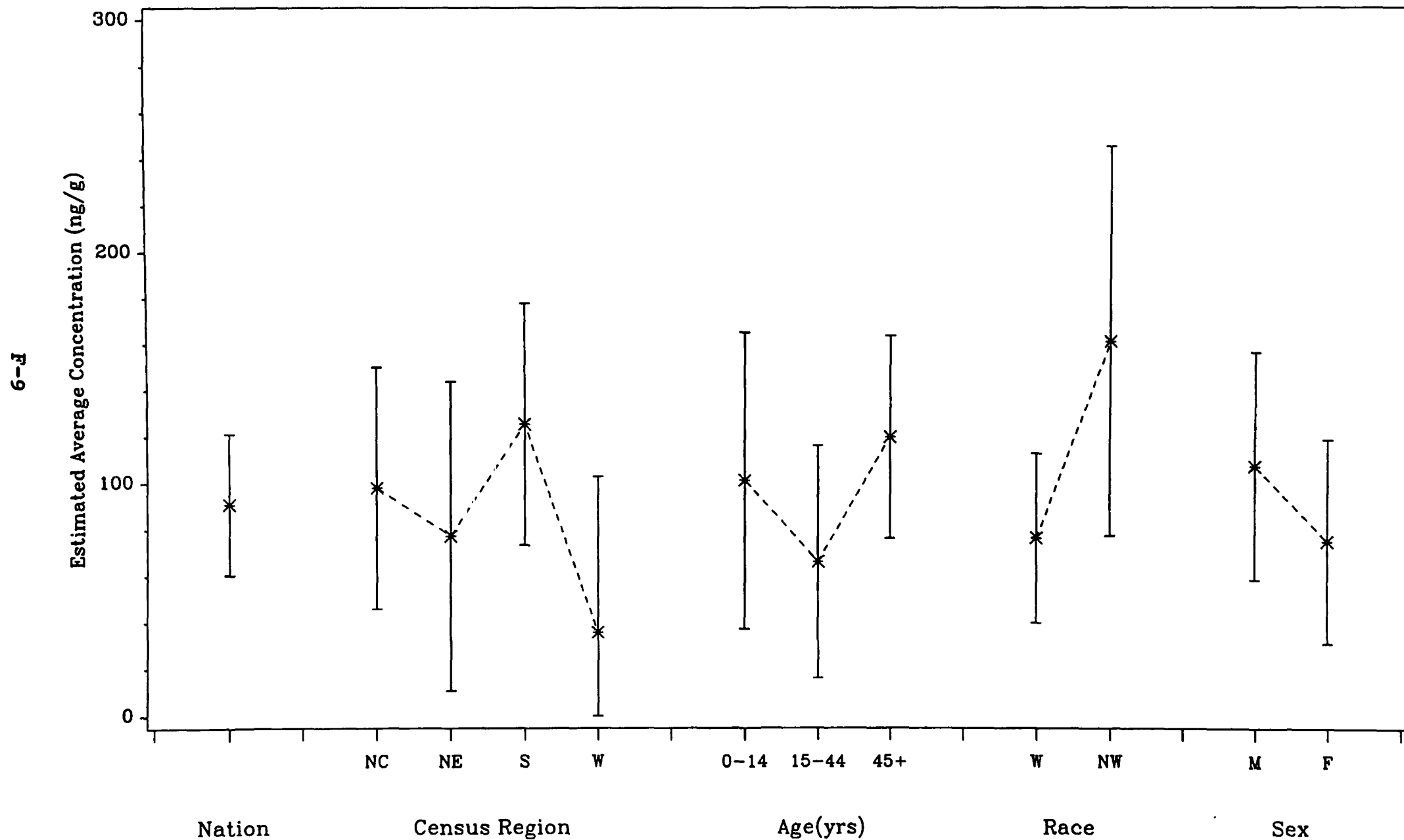
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Trans-nonachlor



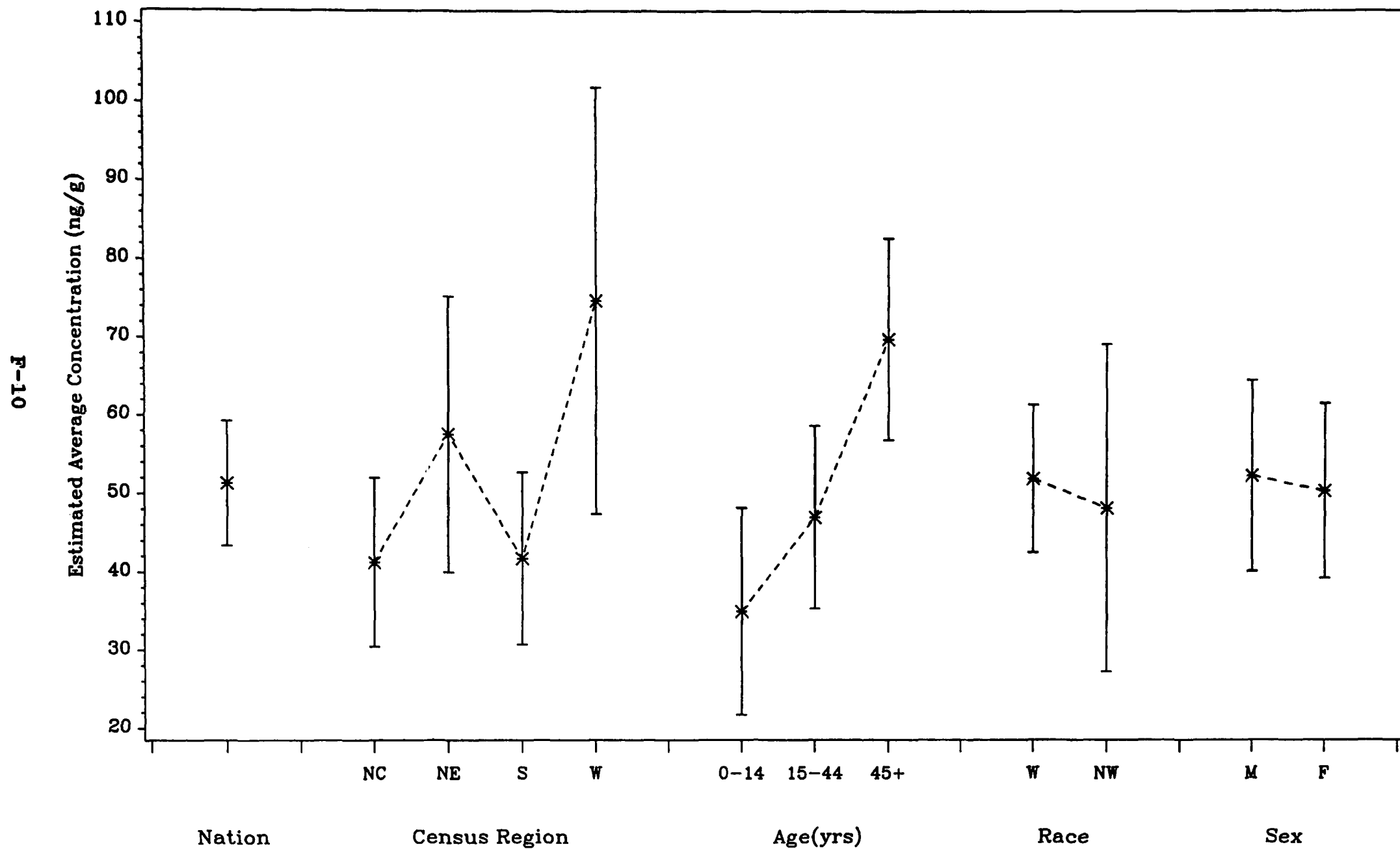
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Dieldrin (Corrected)



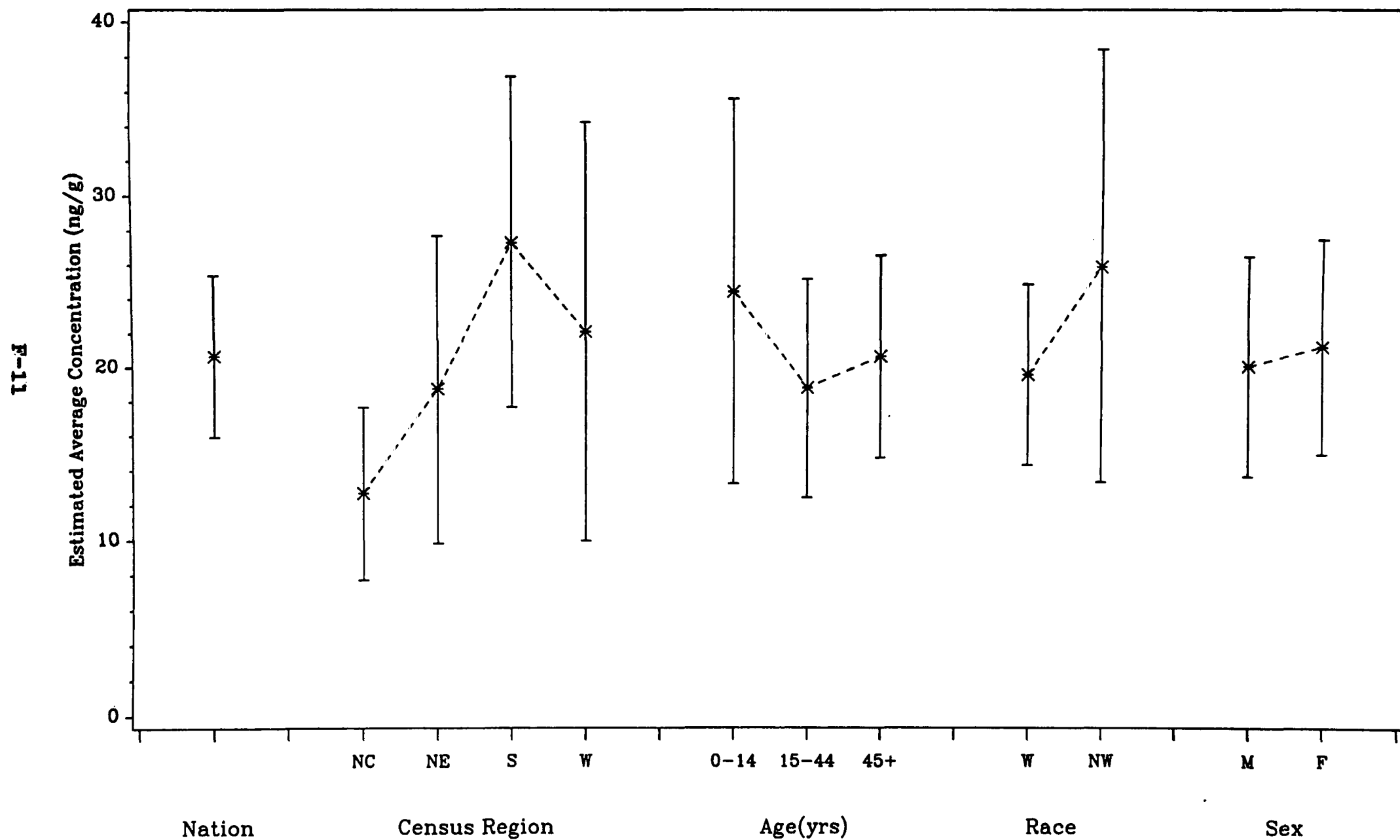
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=1,4-Dichlorobenzene



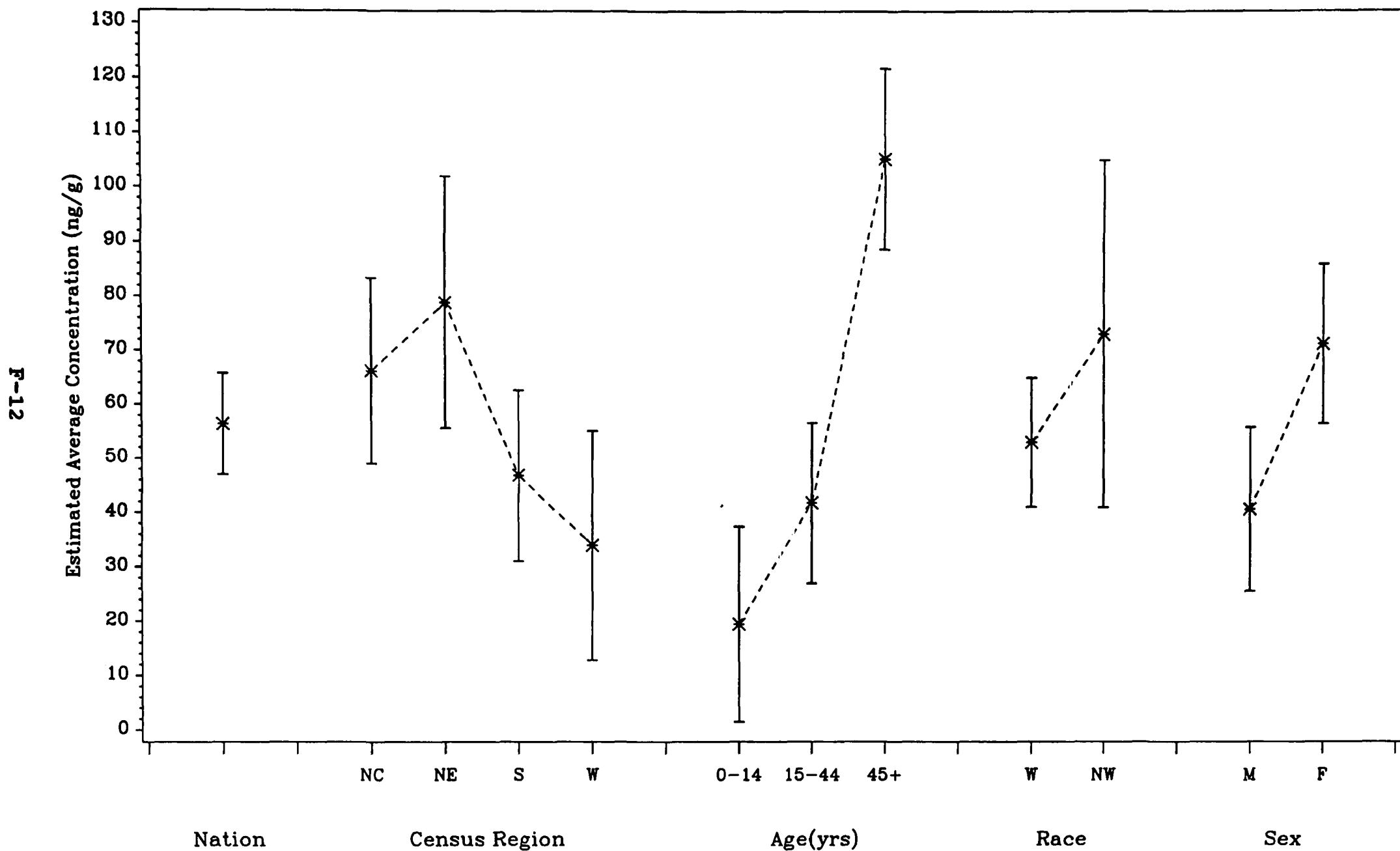
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Hexachlorobenzene



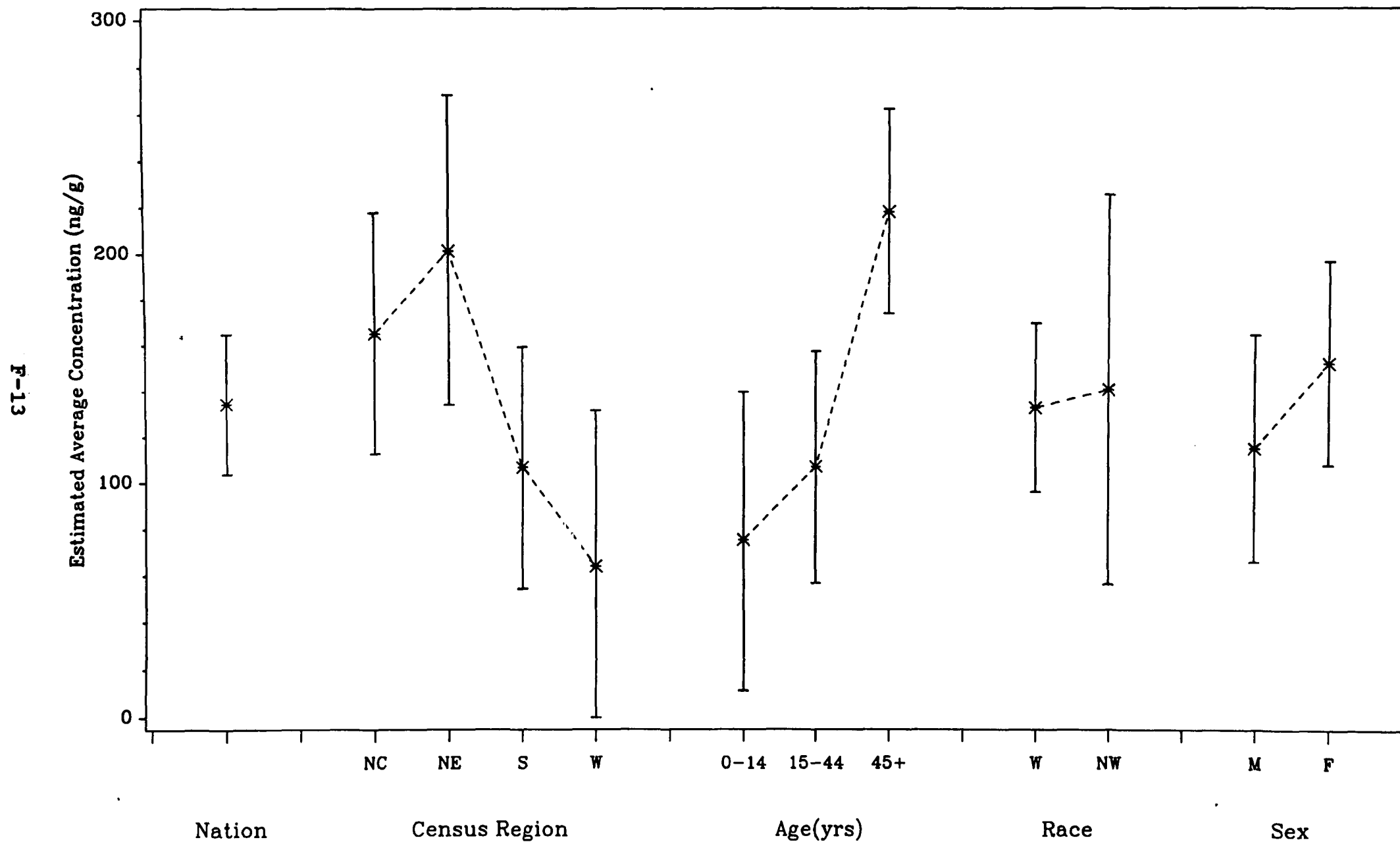
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Naphthalene



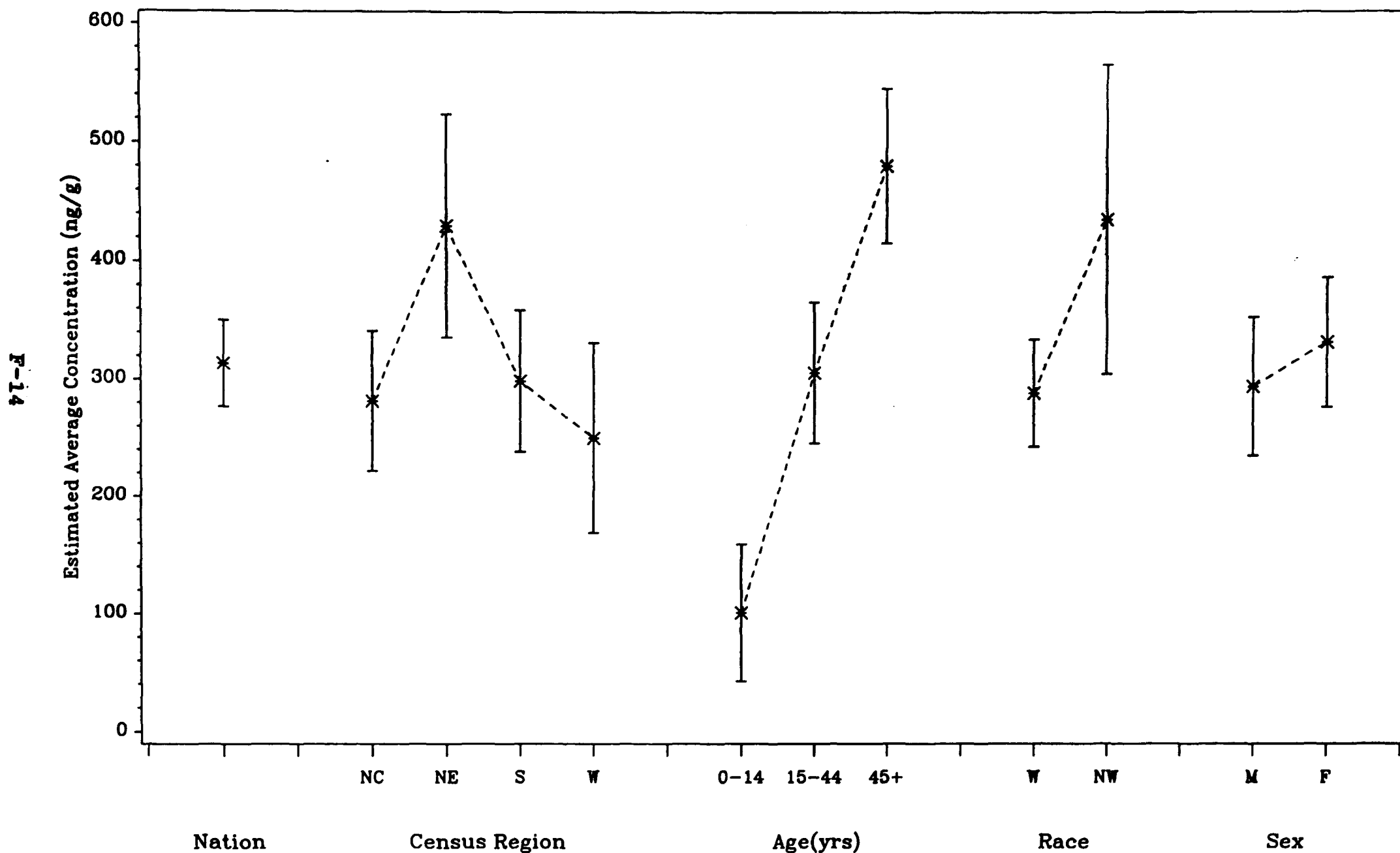
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Tetrachlorobiphenyl



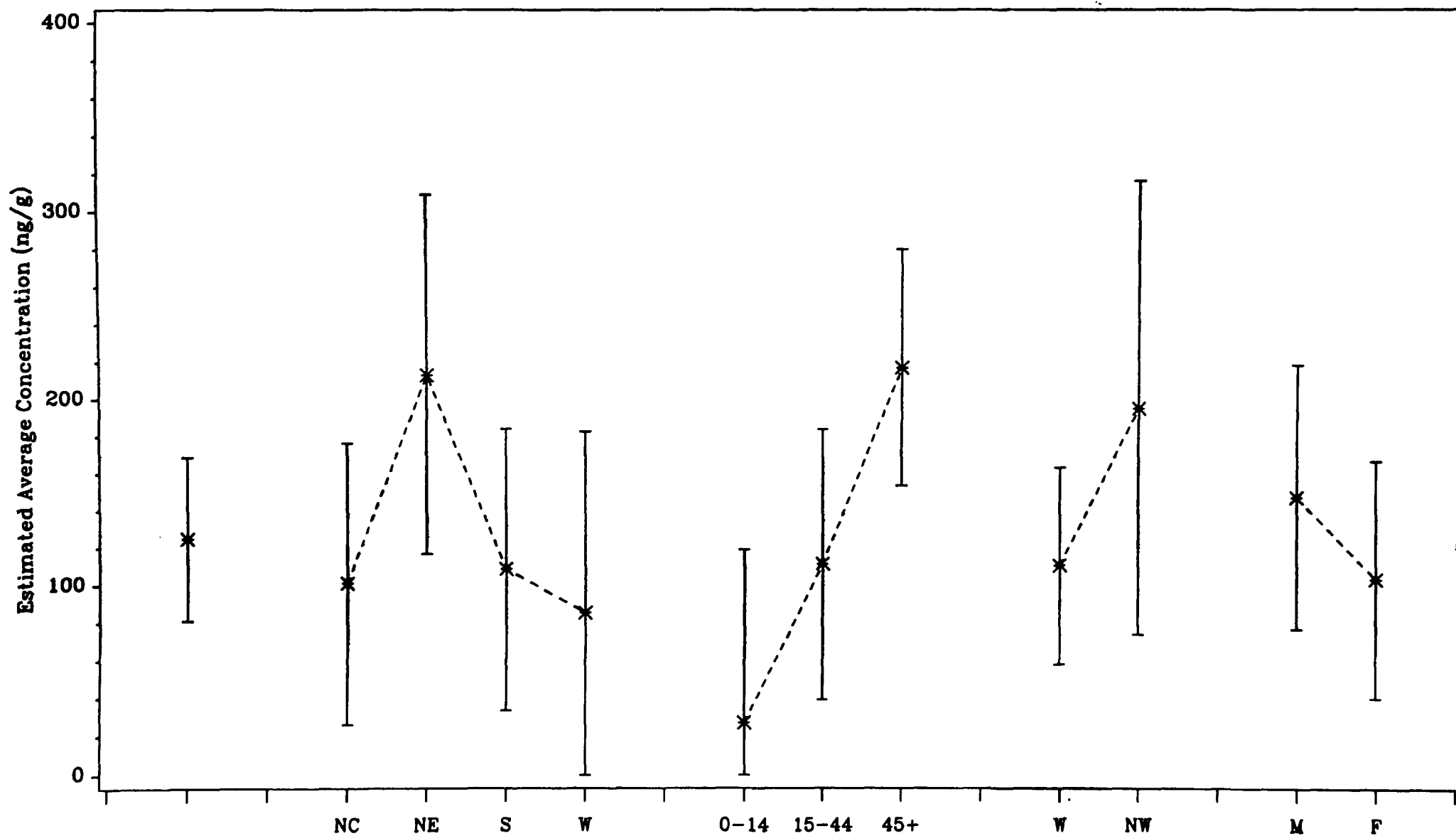
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Pentachlorobiphenyl



Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Hexachlorobiphenyl

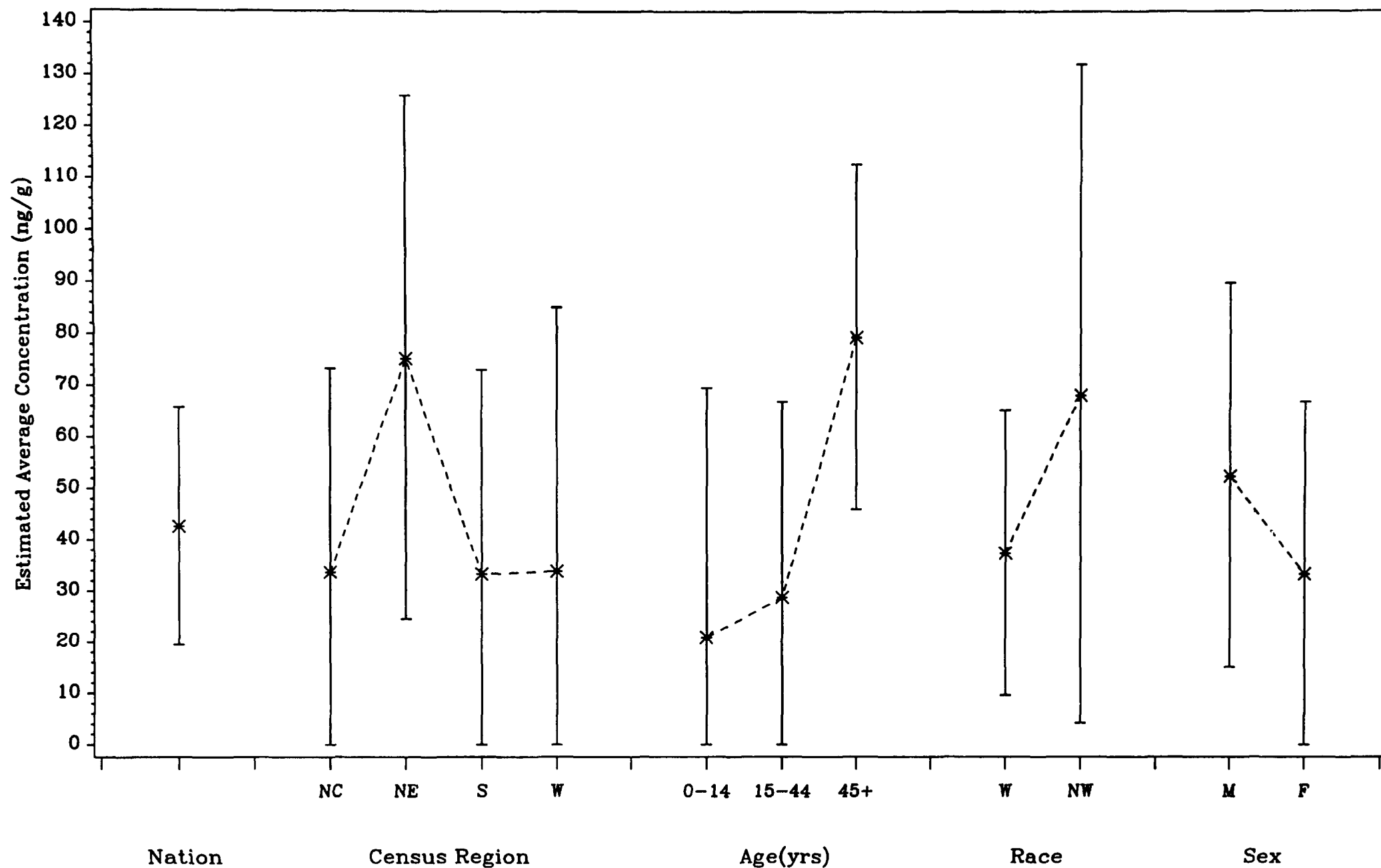


**Sex**

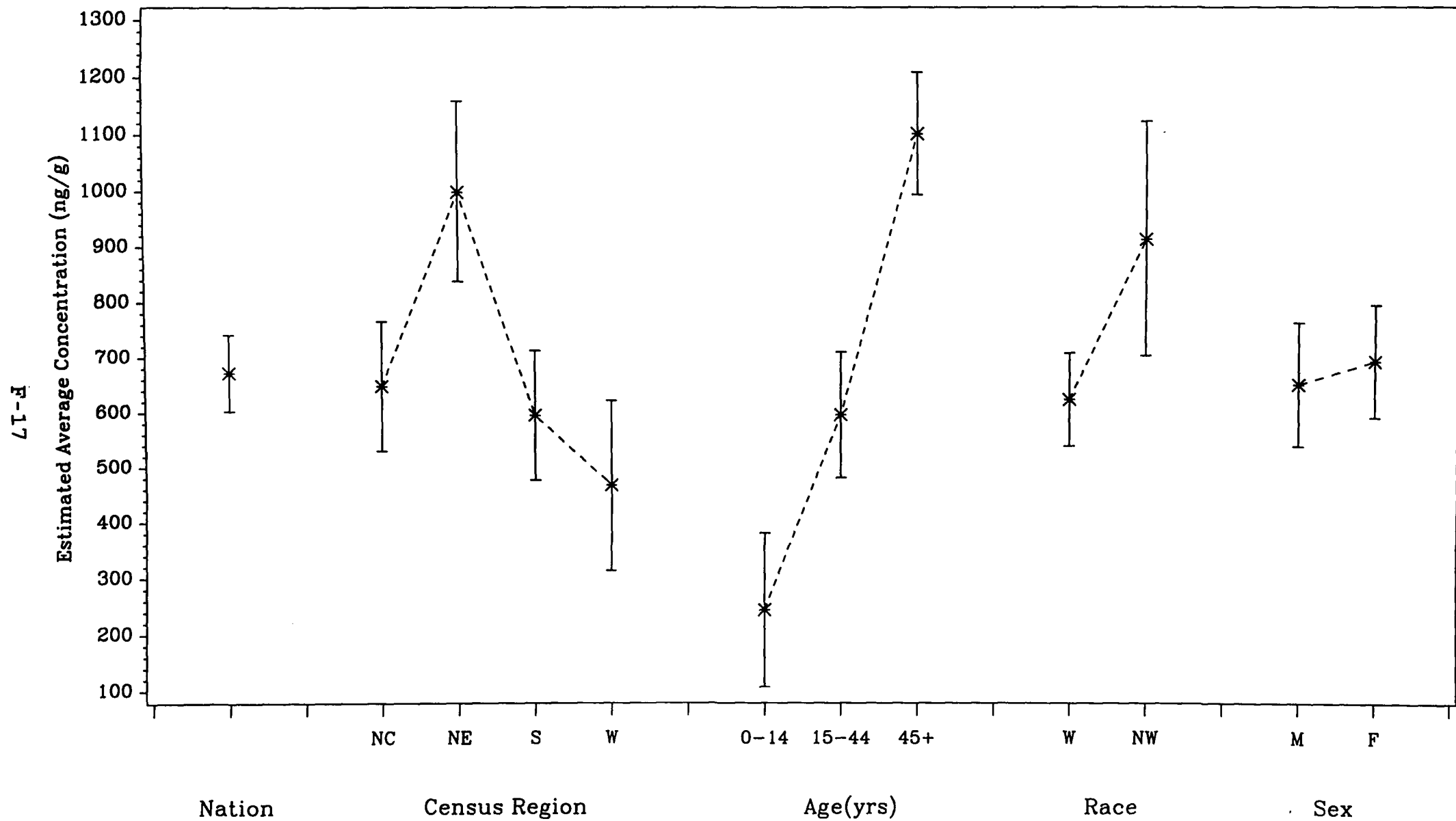


Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Octachlorobiphenyl

91-3

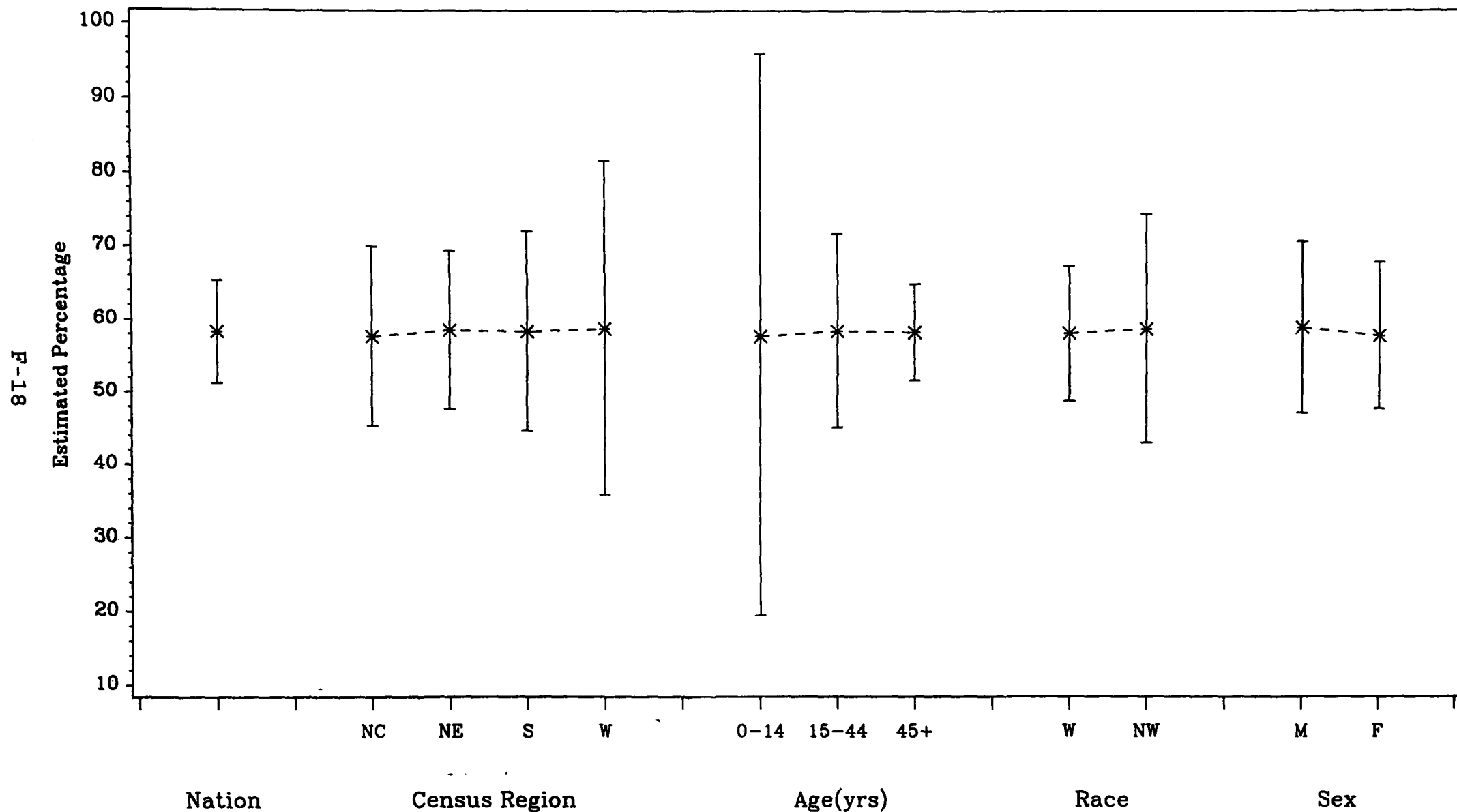


Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Total PCBs



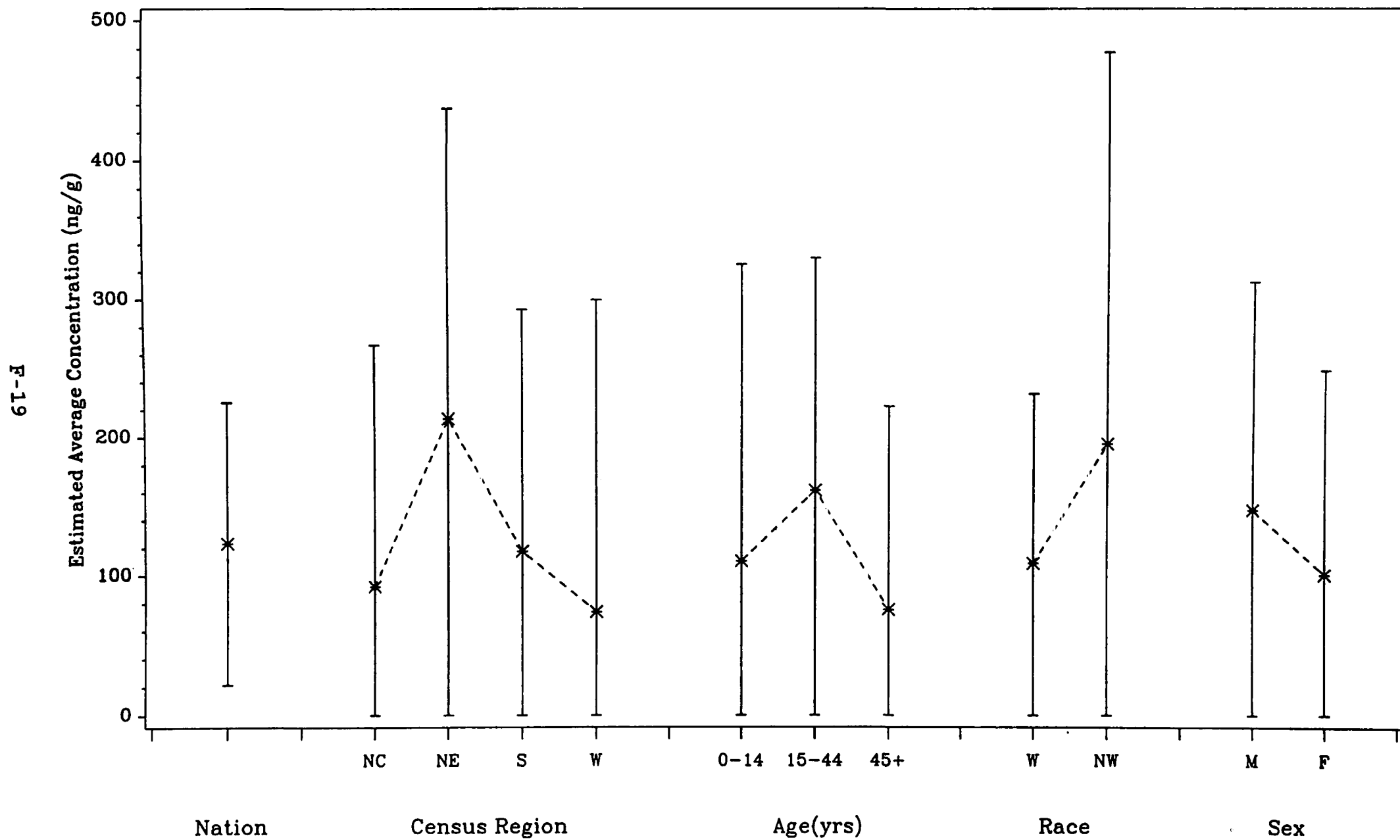
Total PCBs are the sum of estimated concentrations for Tetra- through Octa-CB.

Estimated Level of Chlorination (%) with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS

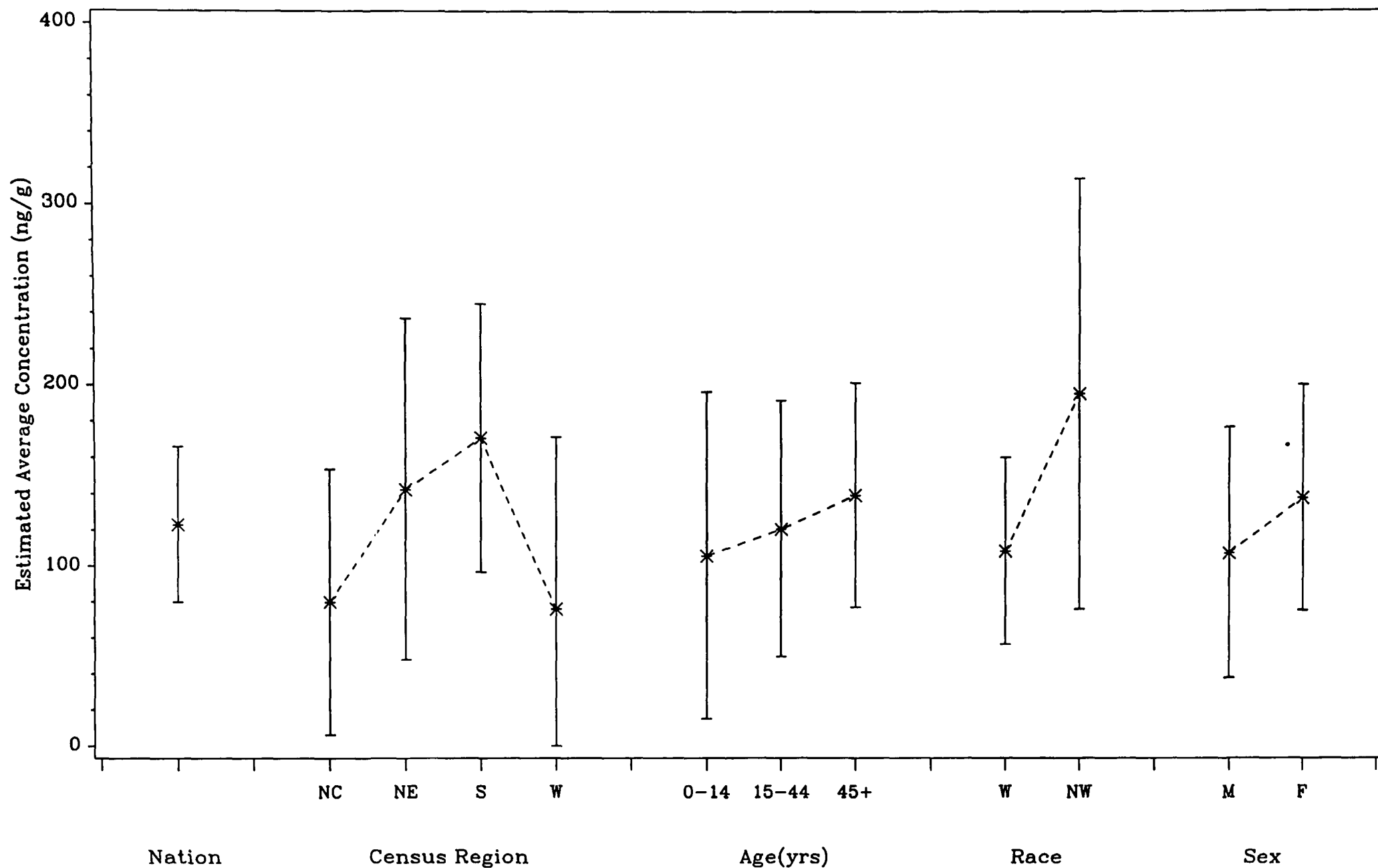


Level of Chlorination is the sum of the percentage of Total PCBs for each homolog  
(Tetra- through Octa-CB), weighted by each homolog's chlorine mass fraction.

Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=1-Nonene



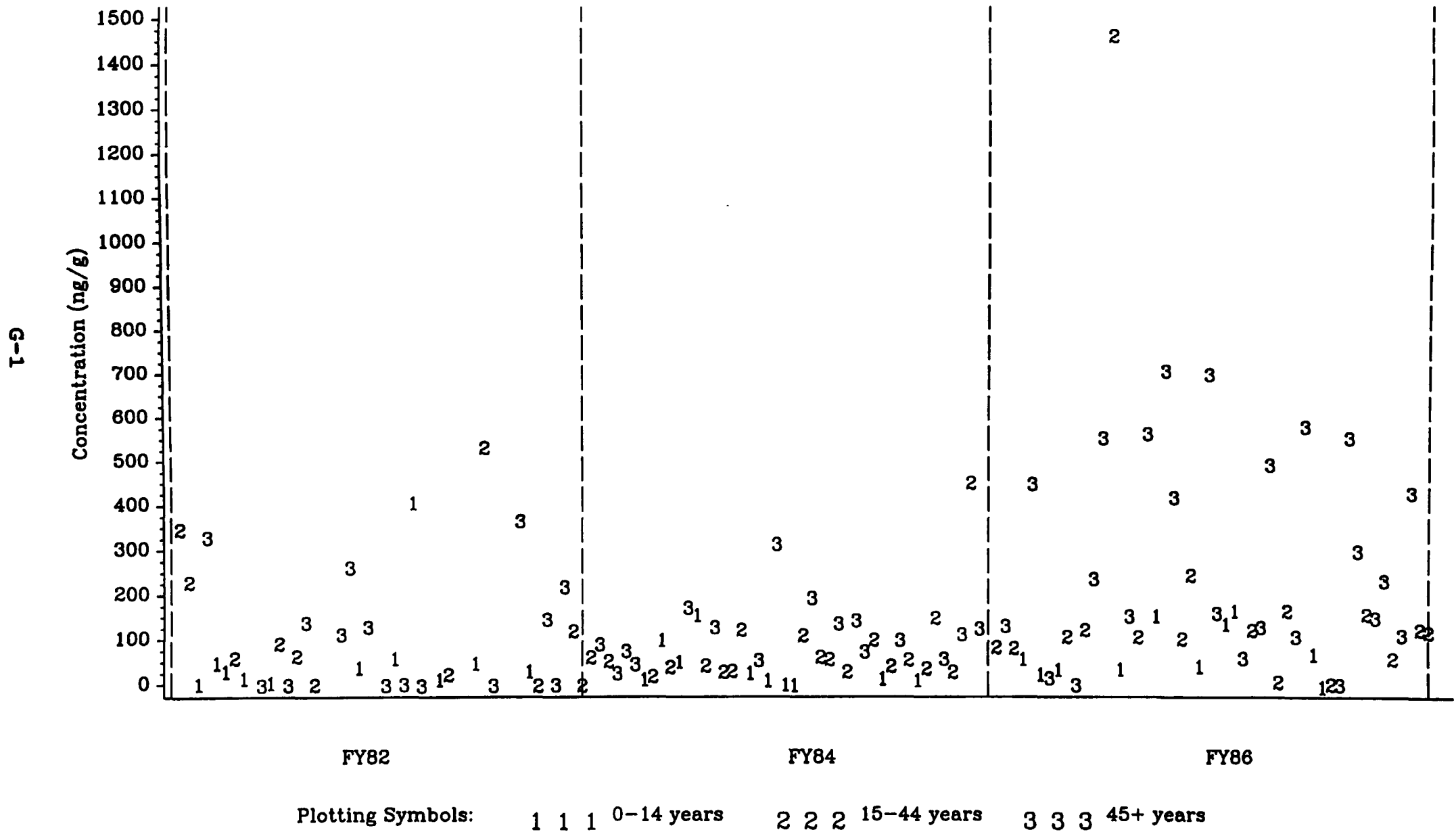
Estimates of Average Concentrations with 95% Confidence Intervals as Determined  
by the Additive Model for Selected Subpopulations in the FY86 NHATS  
Compound=Hexyl Acetate



## **APPENDIX G**

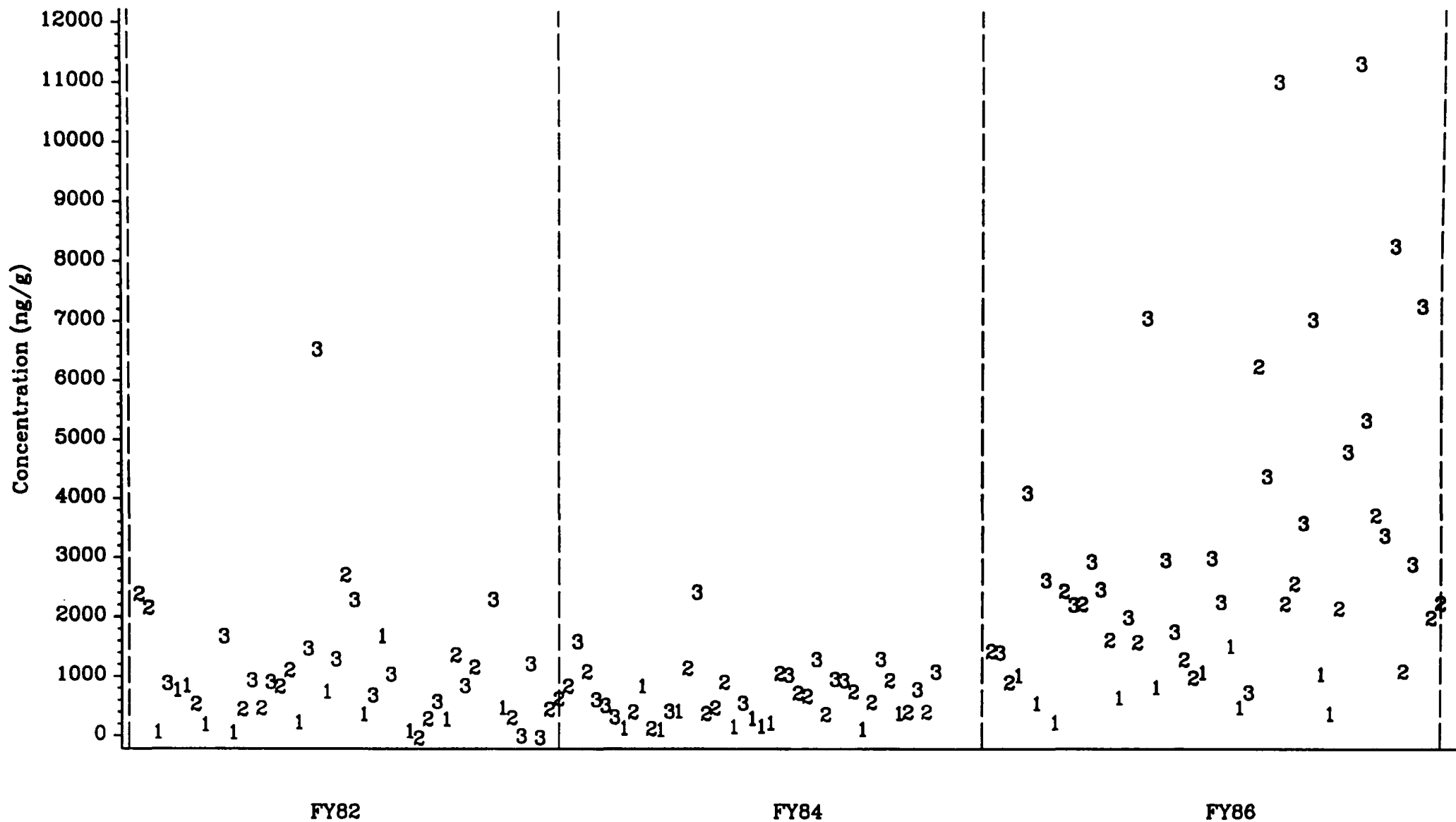
**Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order  
with Age Group as the Plotting Symbol**

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=p,p-DDT



Not-detected concentrations are expressed as LOD/2. Concentrations NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=p,p-DDE



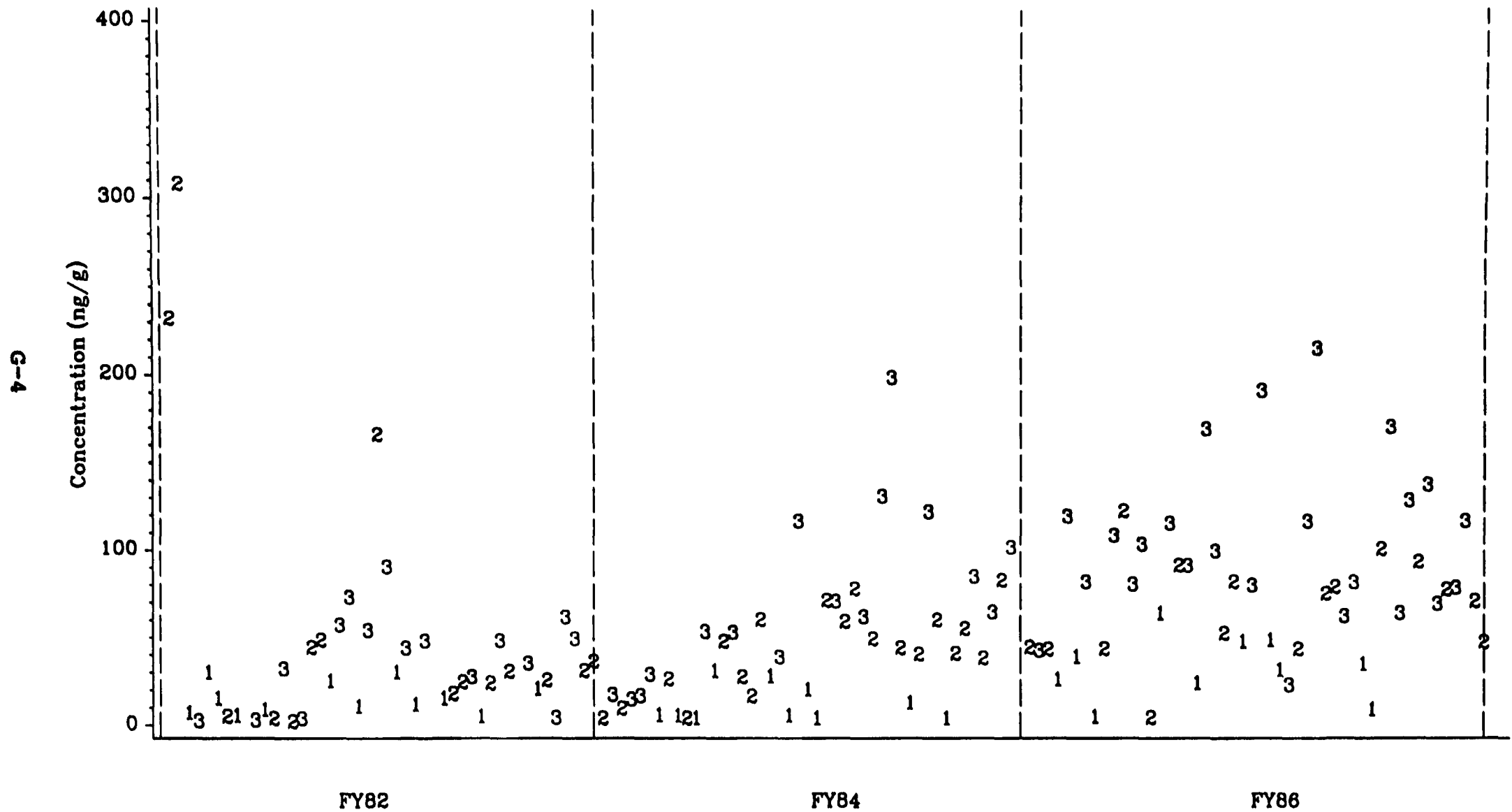
Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

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Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

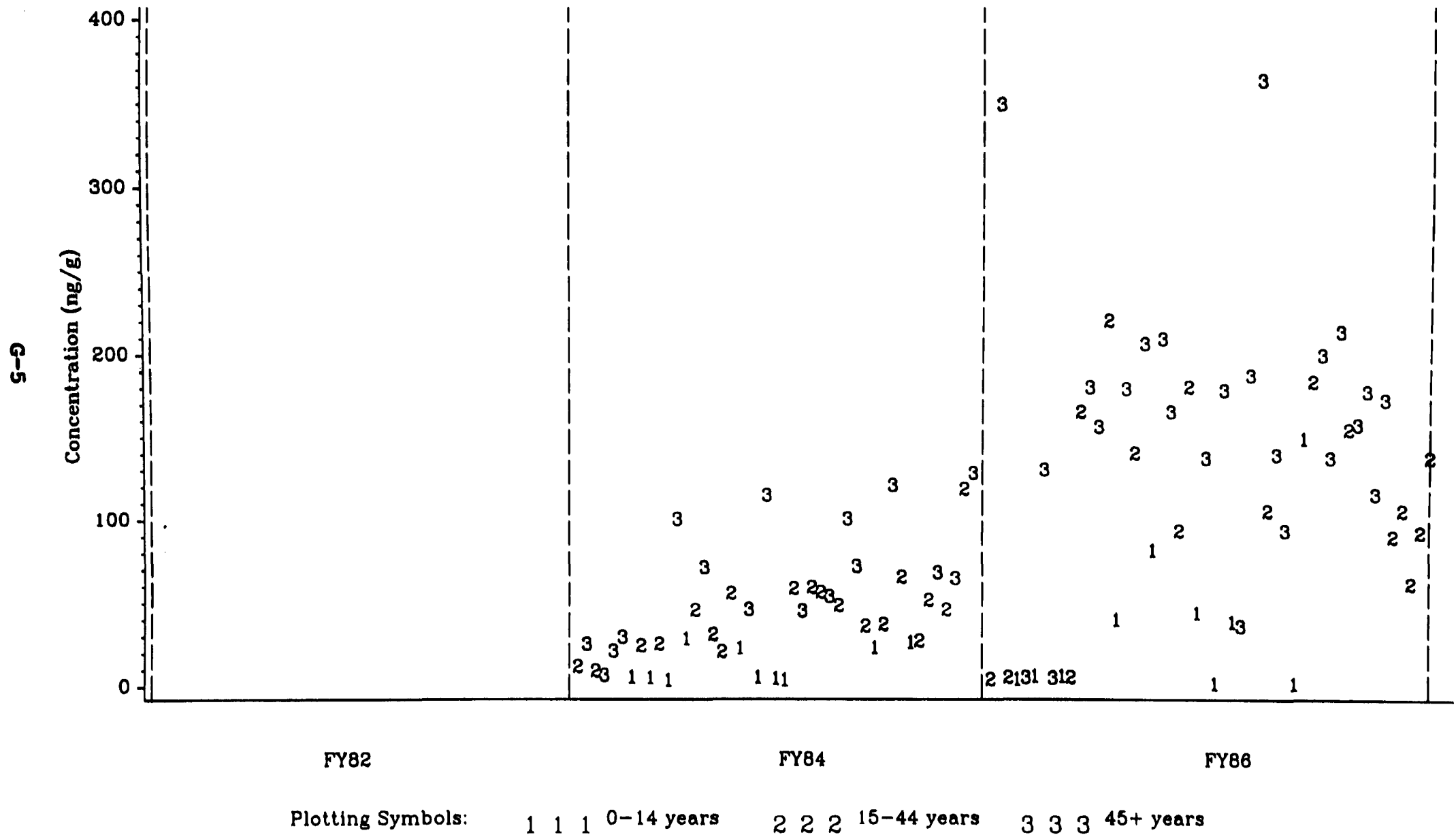
Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Heptachlor epoxide



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

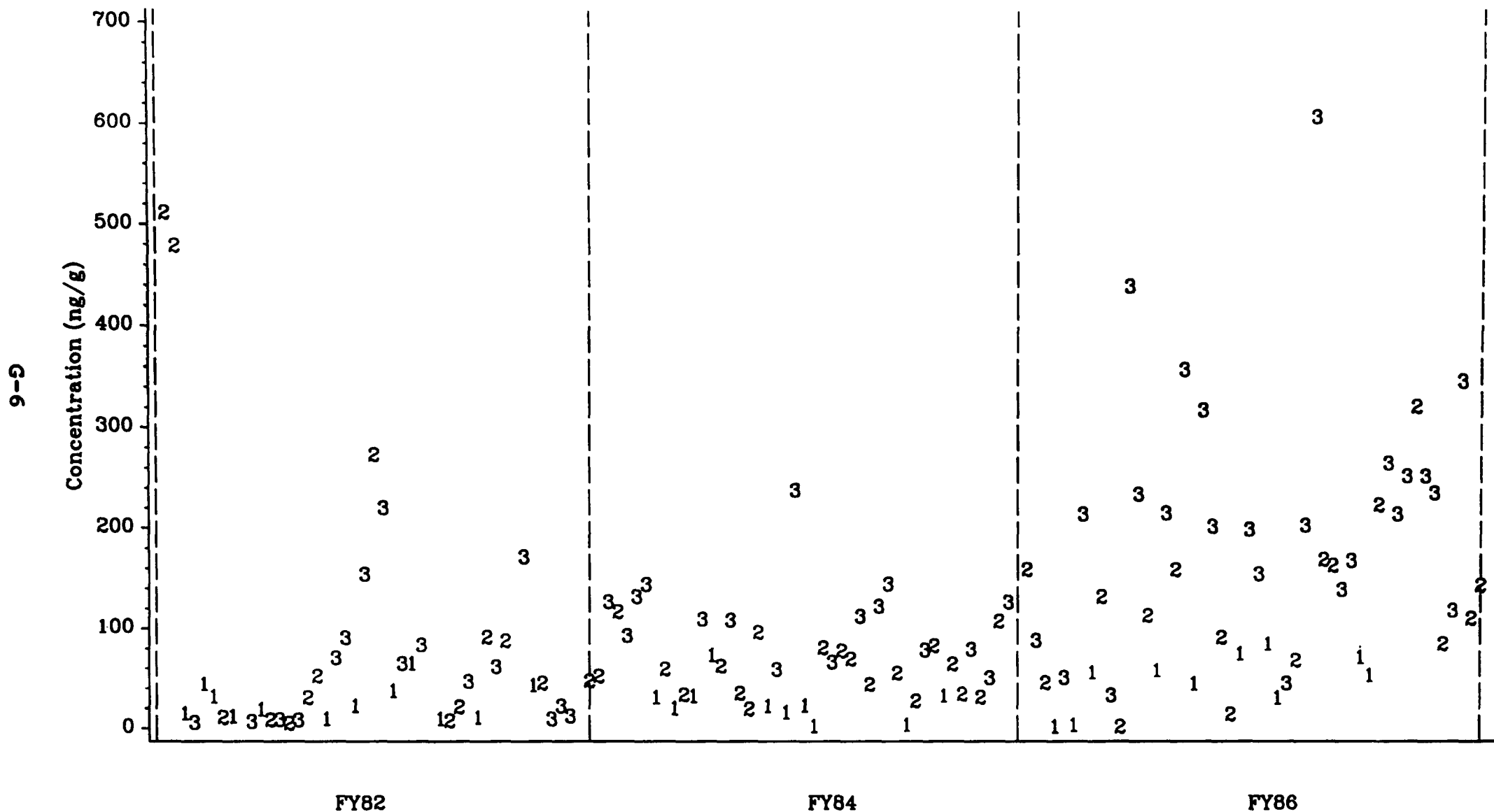
Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Oxychlorthane



Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

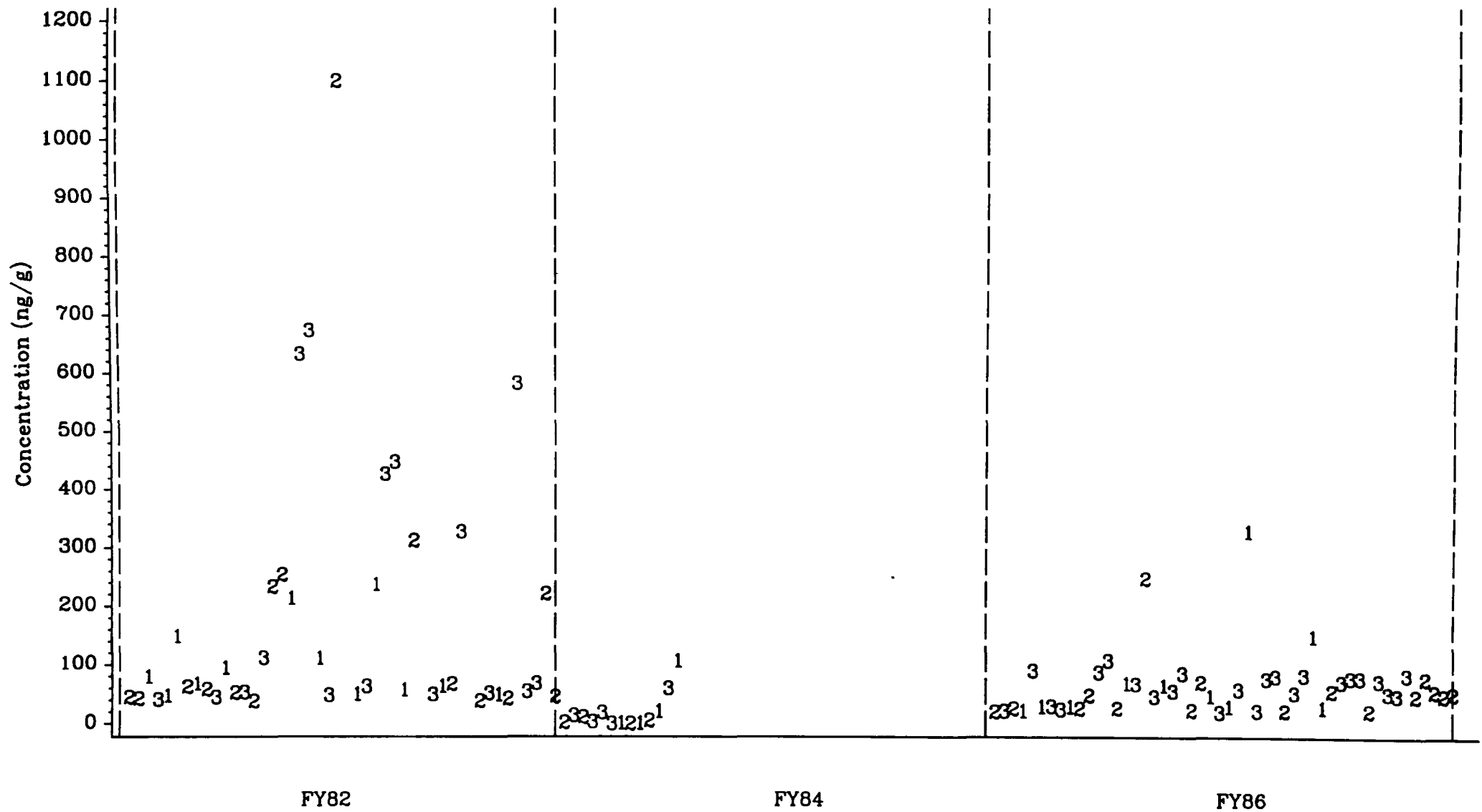
Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Trans-nonachlor



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS.  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Dieldrin

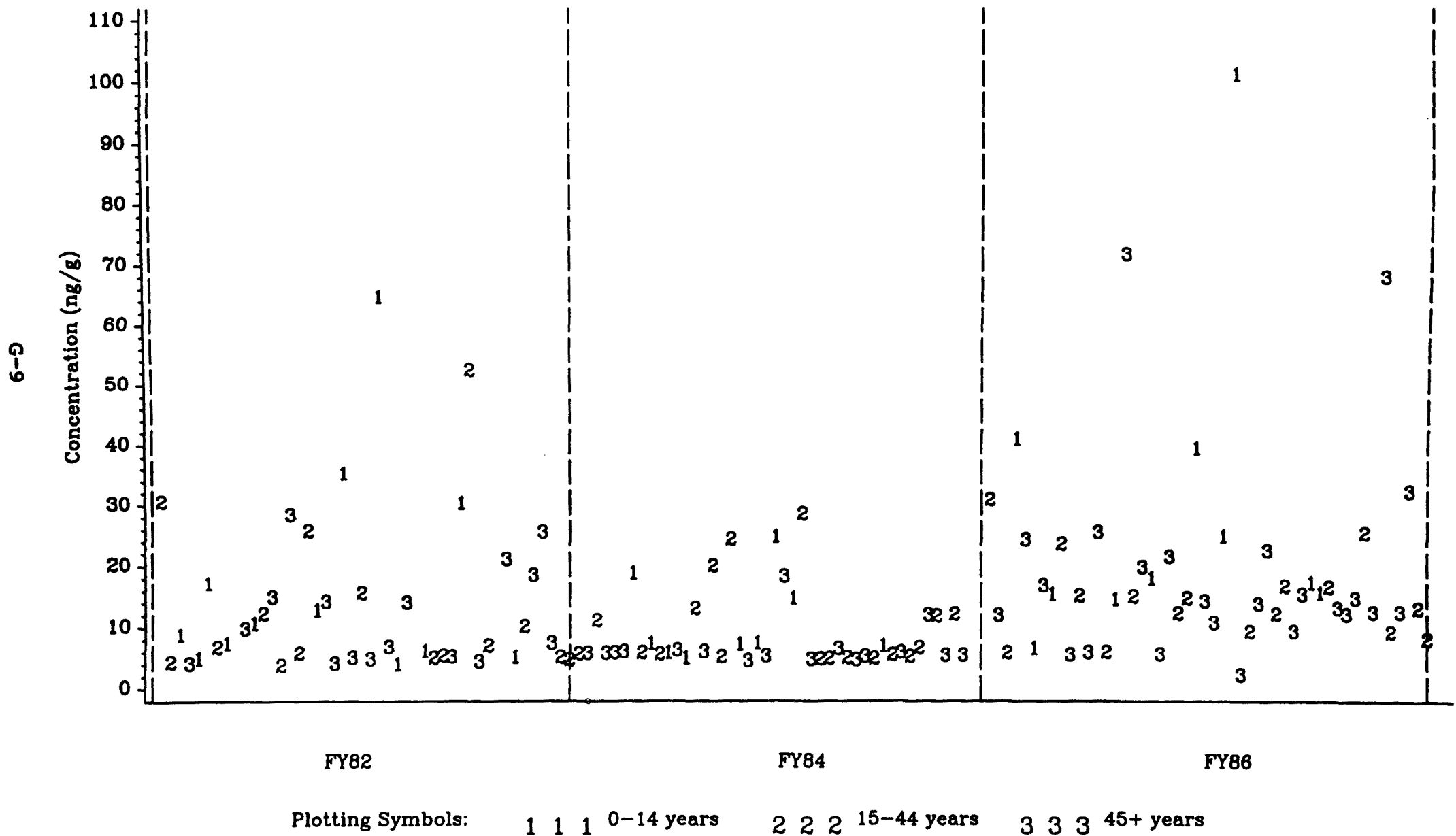


Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

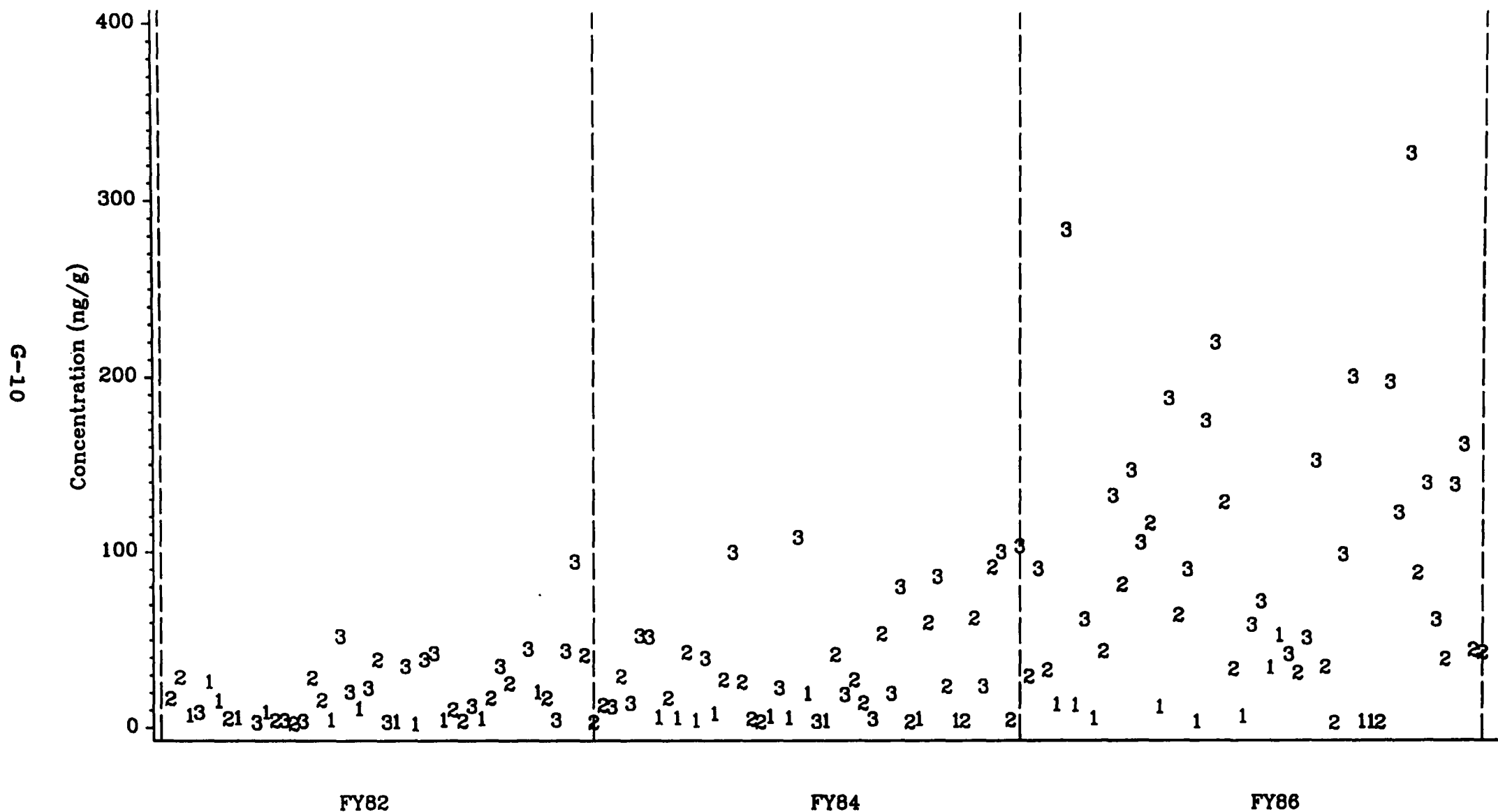


Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Naphthalene



Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

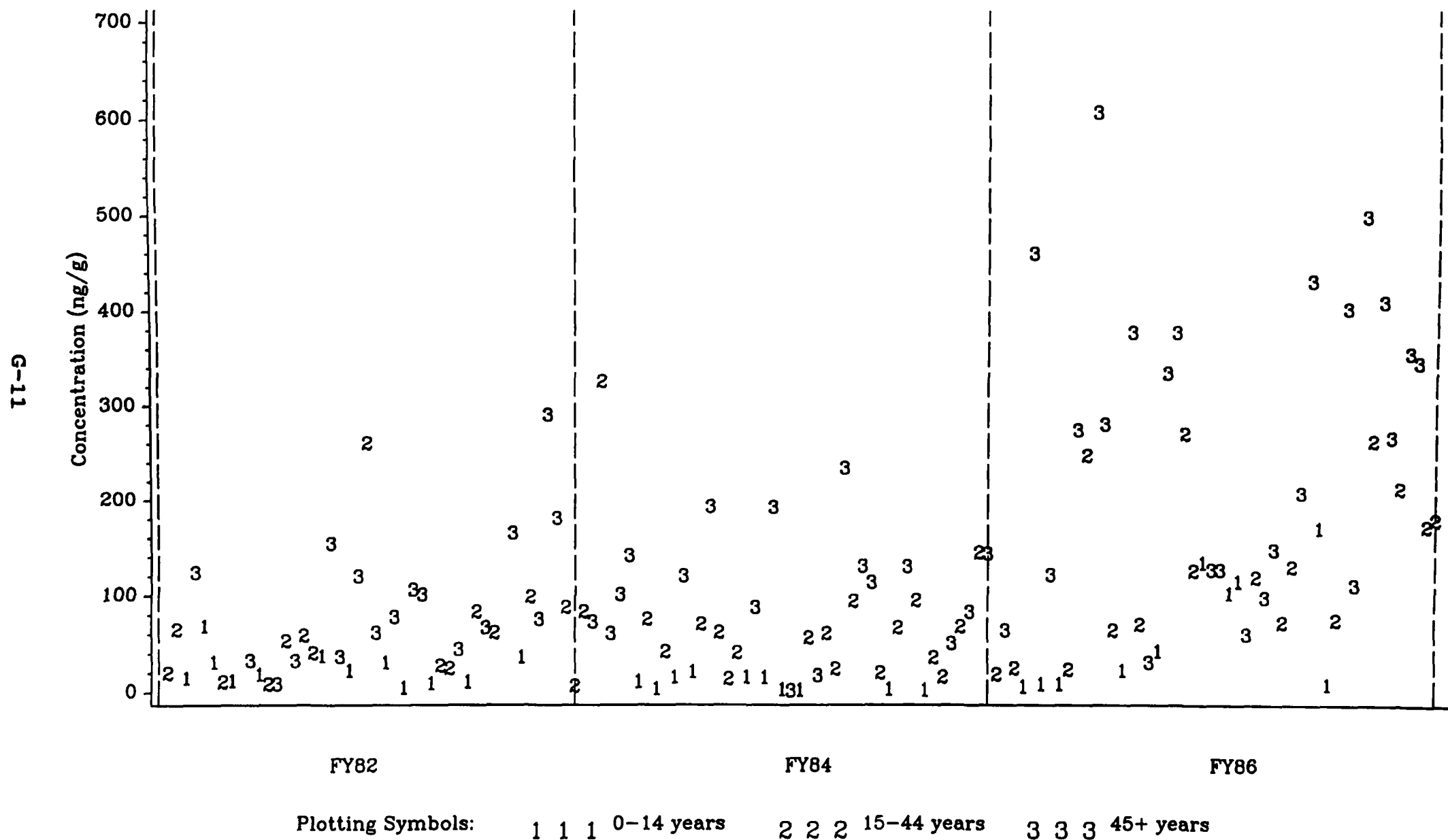
Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Tetrachlorobiphenyls



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

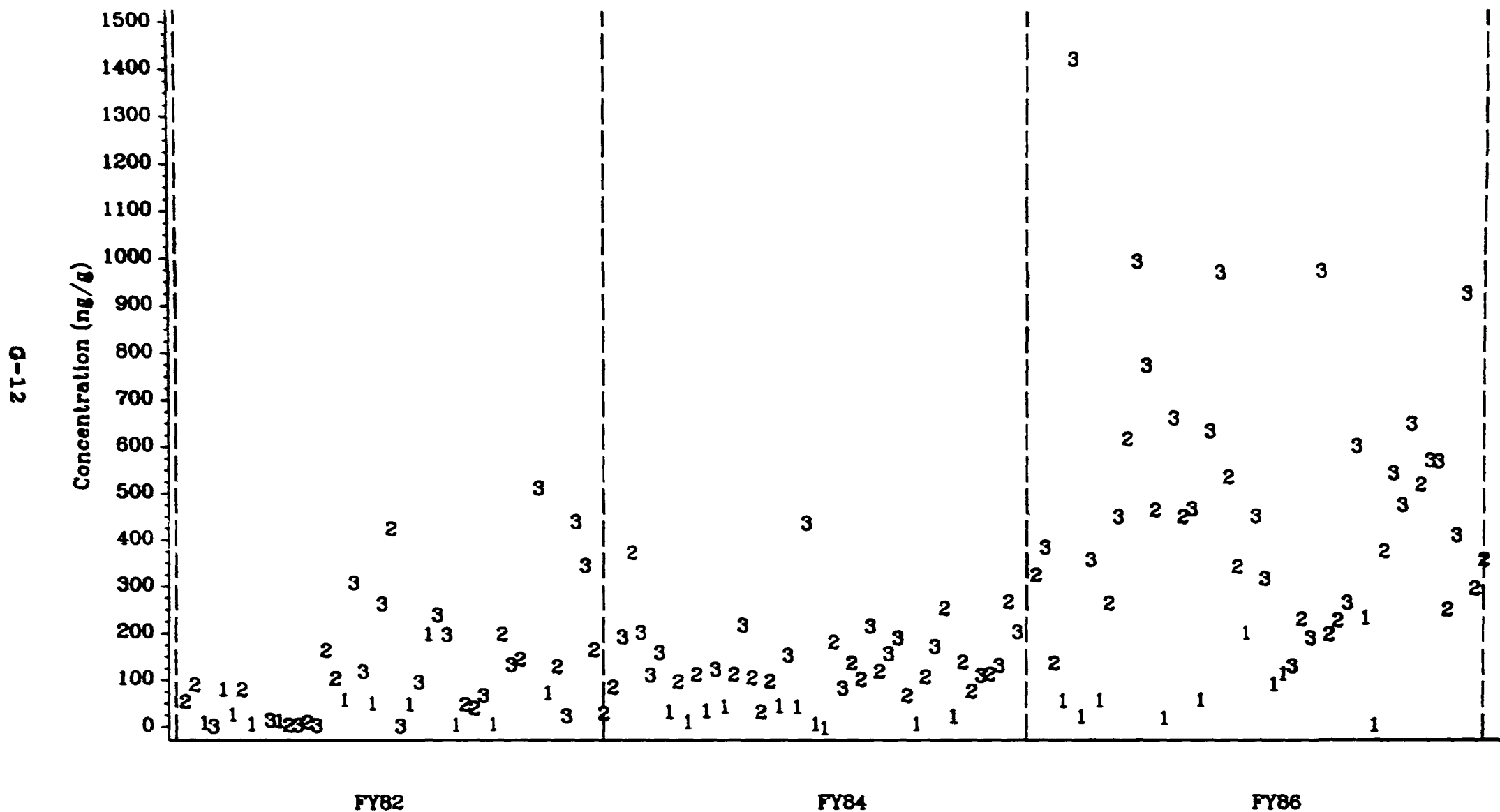
Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Pentachlorobiphenyls



Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

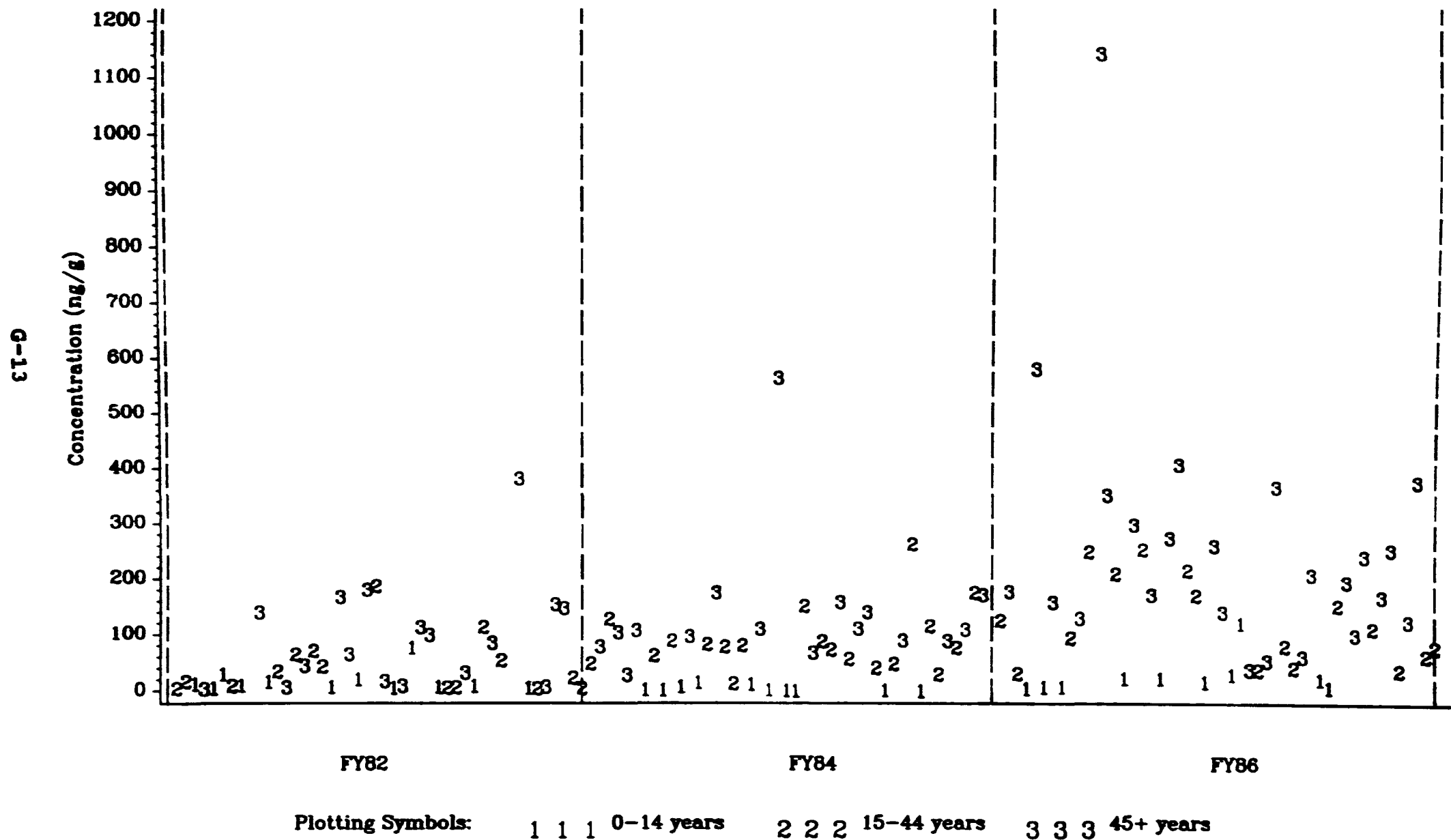
Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Hexachlorobiphenyls



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

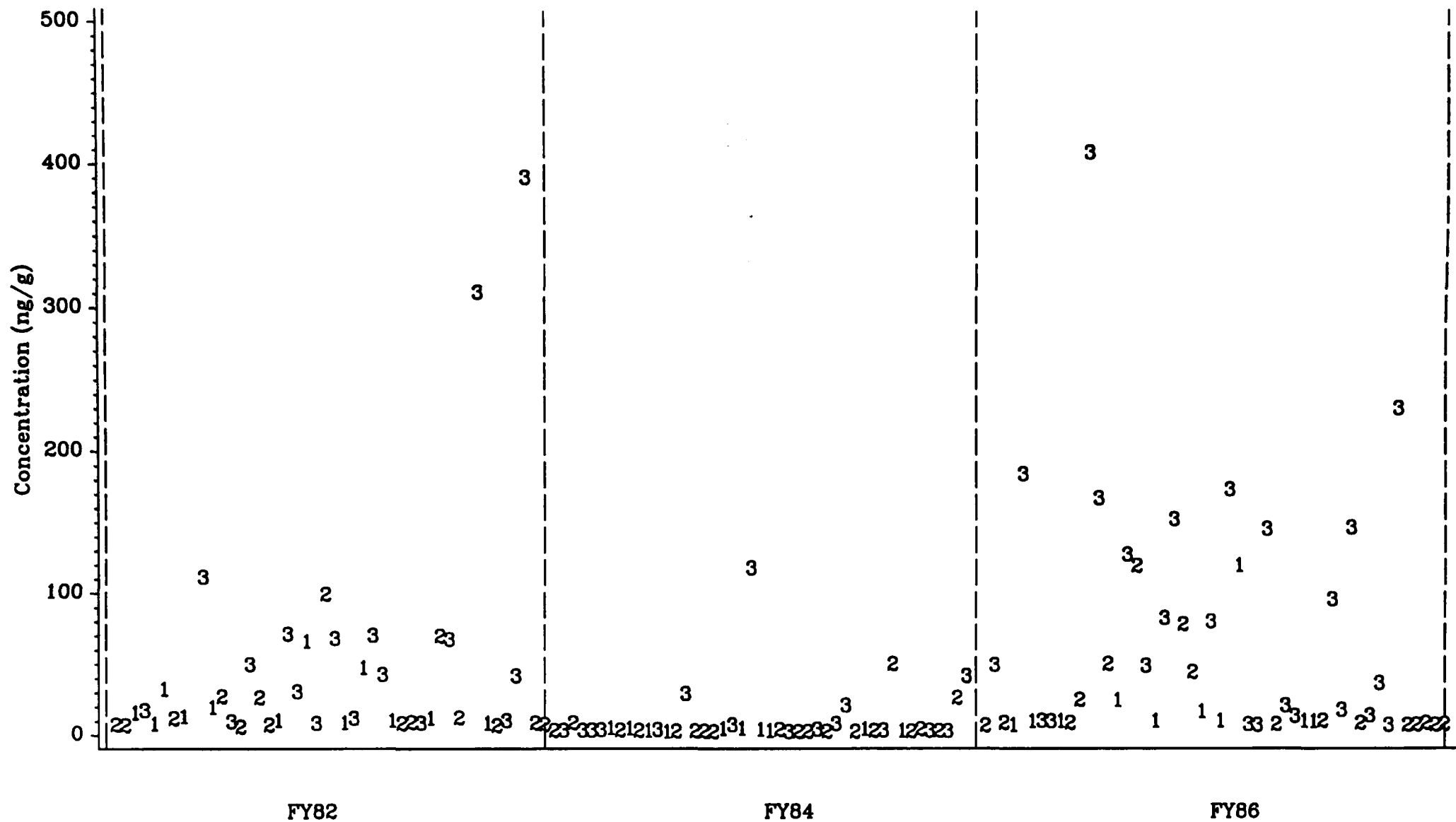
Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS.  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Heptachlorobiphenyls



Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

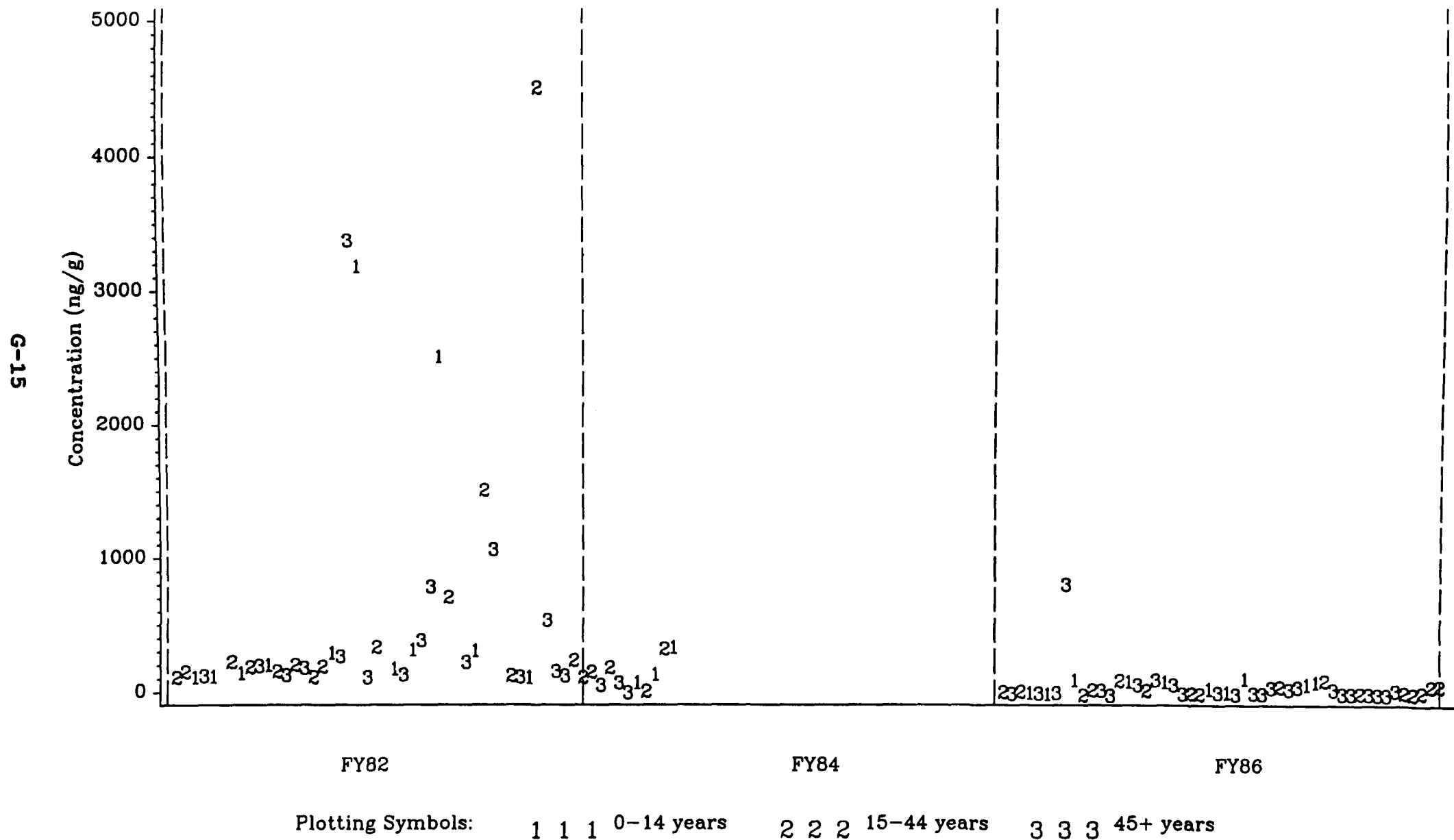
Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Octachlorobiphenyls



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

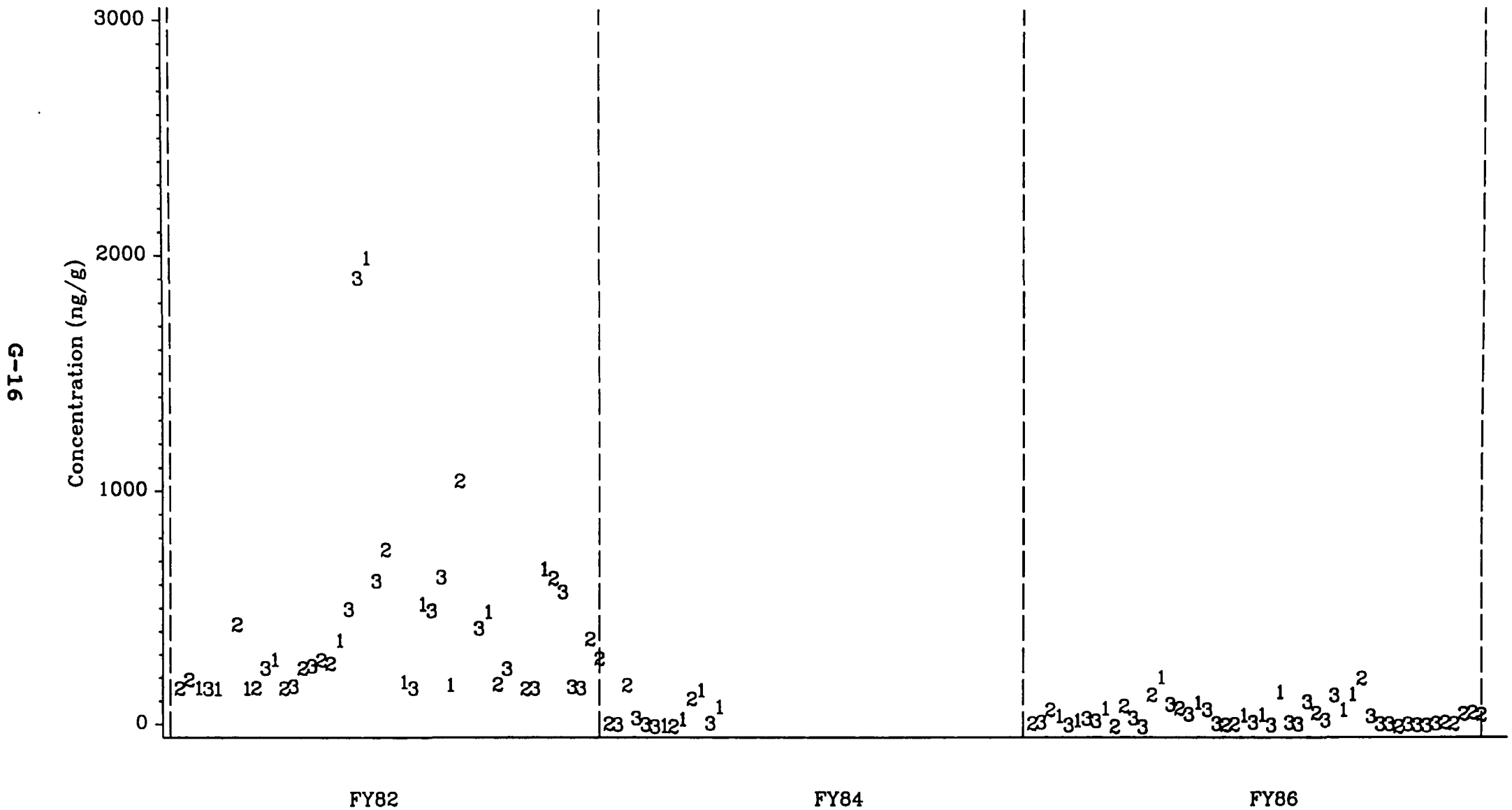
Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Di-n-Butyl Phthalate



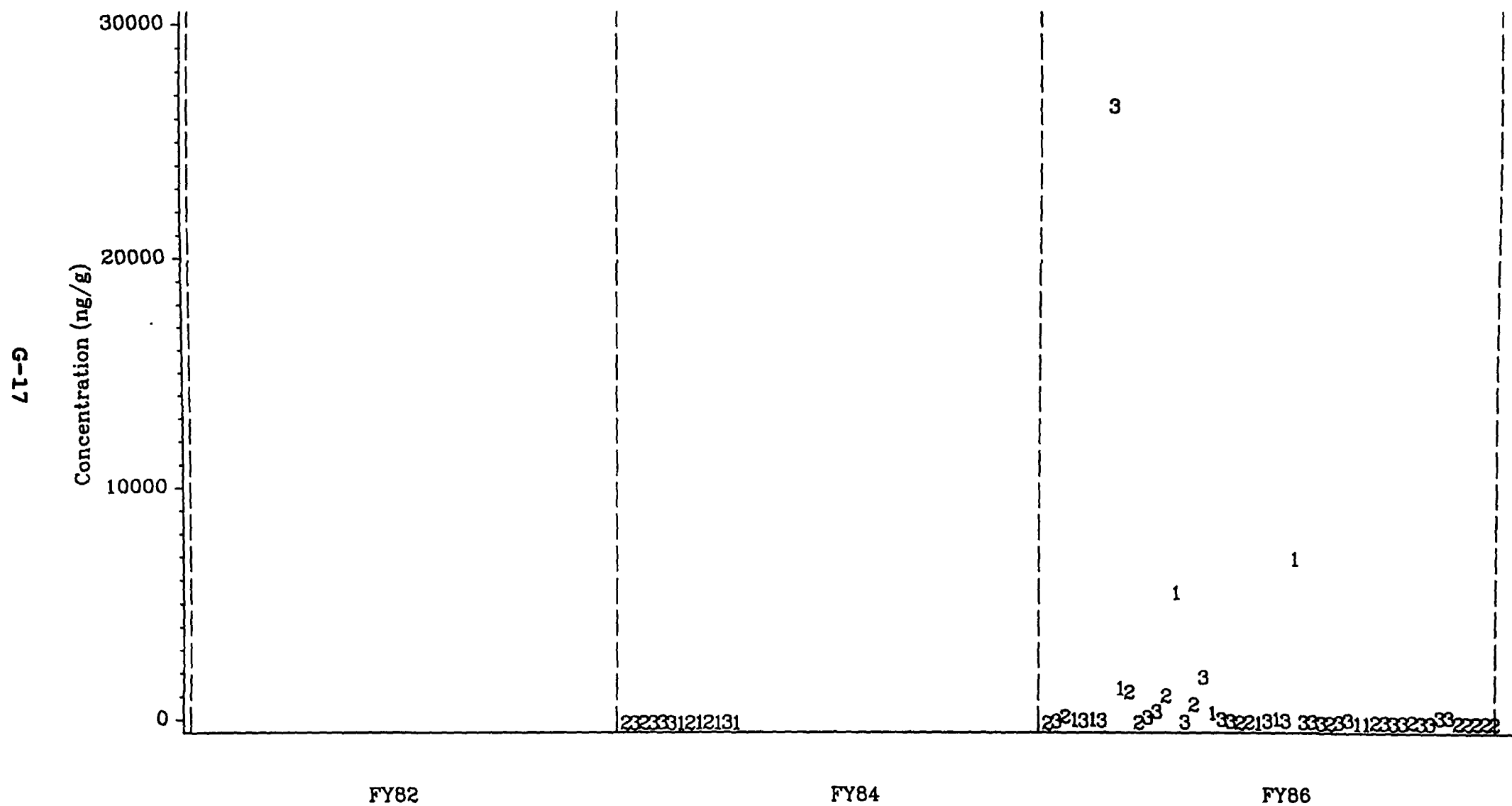
Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Butyl Benzyl Phthalate



Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Bis (2-Ethylhexyl) Phthalate



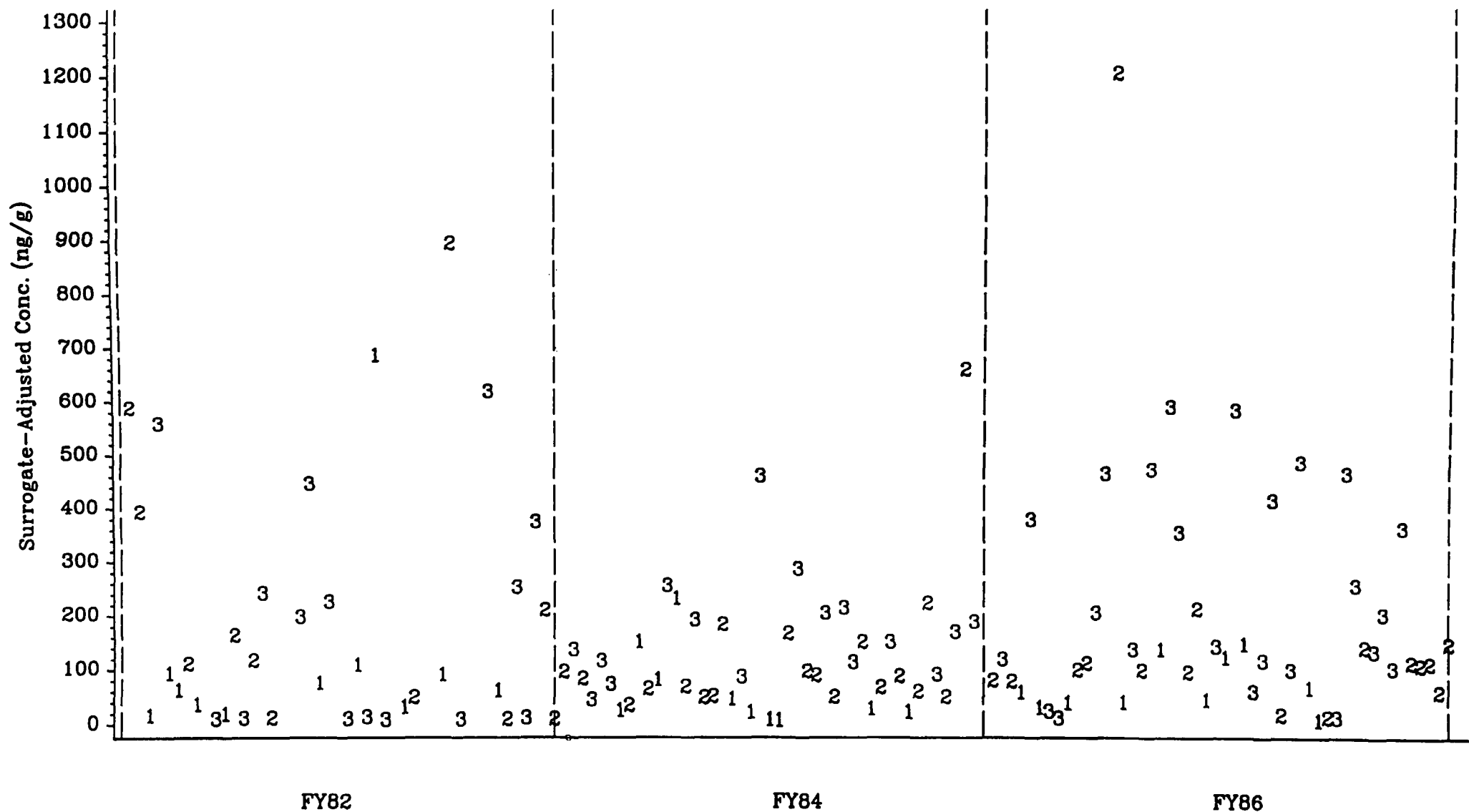
Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2. Concentrations are NOT adjusted for surrogate recoveries.

## **APPENDIX H**

**Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84,  
and FY86 NHATS, Plotted in Chronological Order  
with Age Group as the Plotting Symbol**

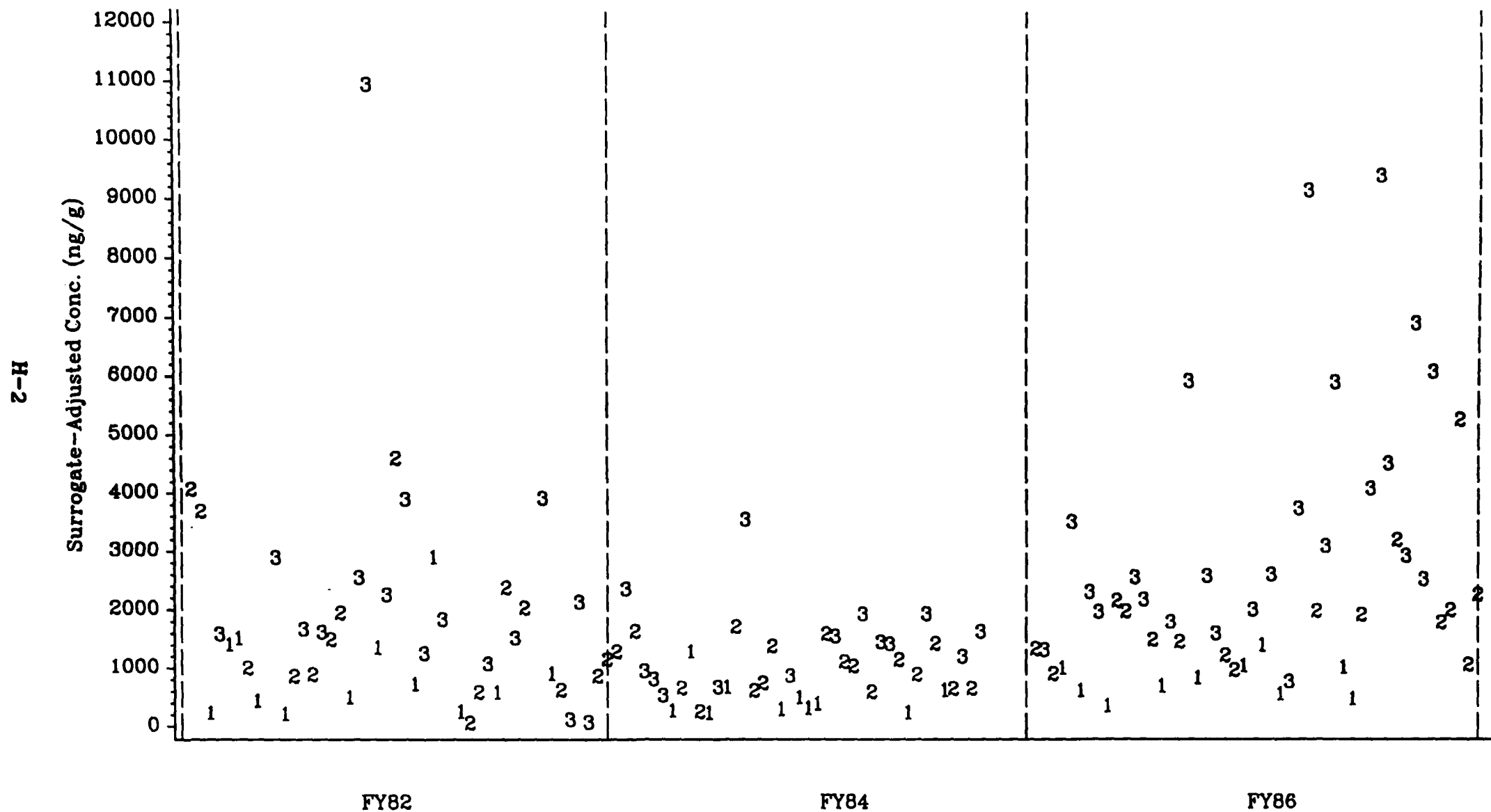
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS.  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=p,p-DDT



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2.

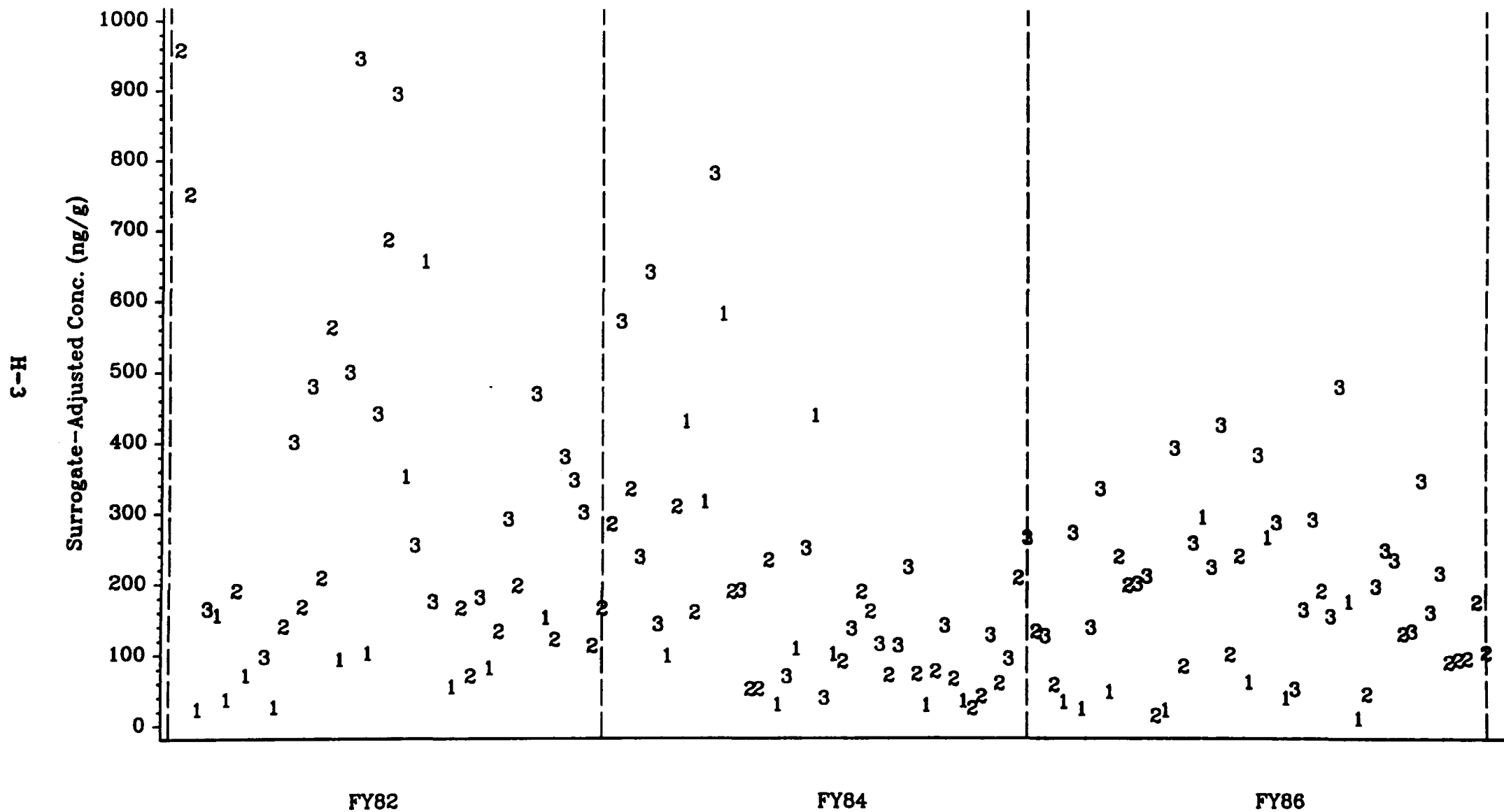
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=p,p-DDE



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2.

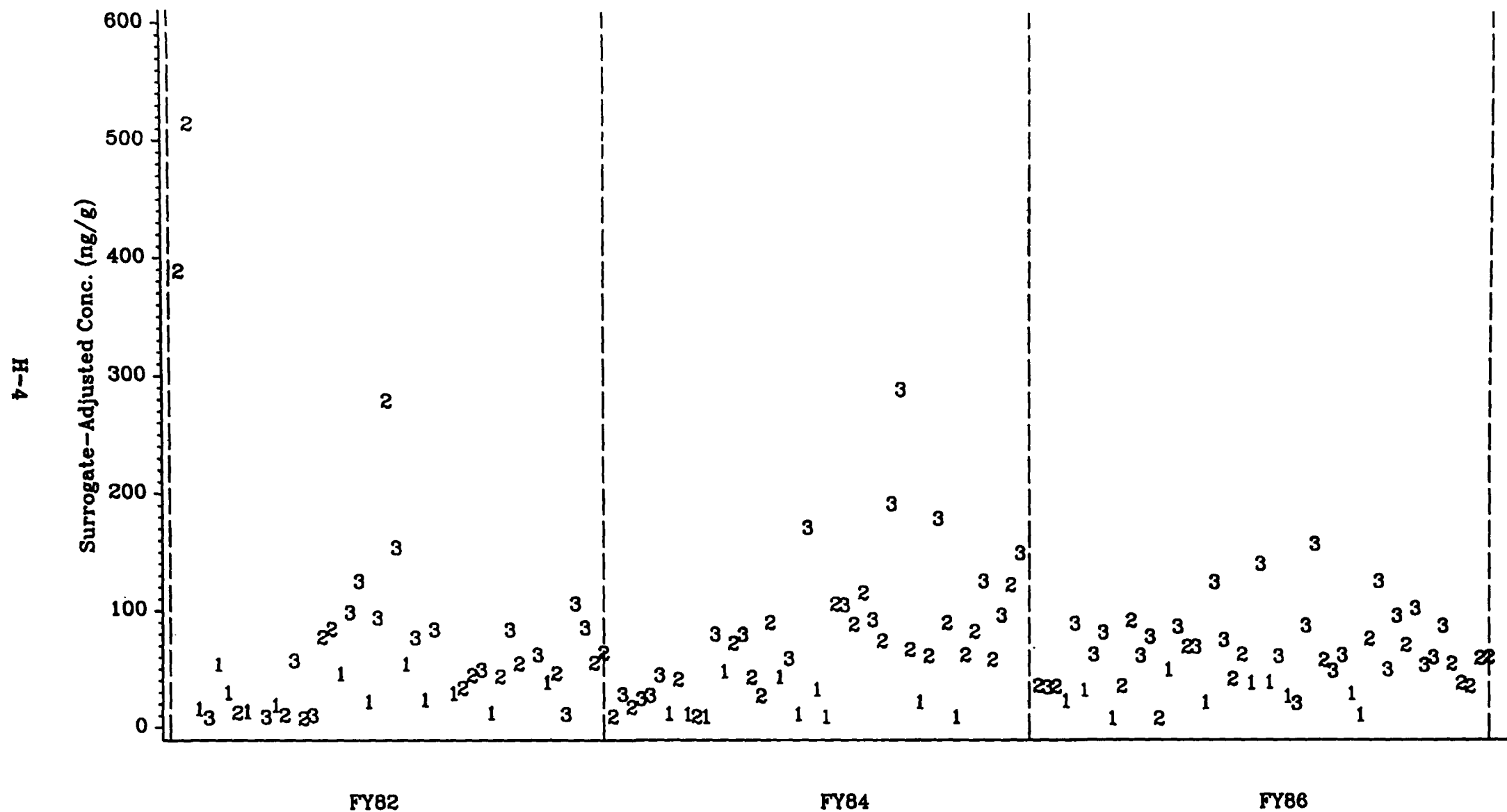
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Beta-BHC



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2.

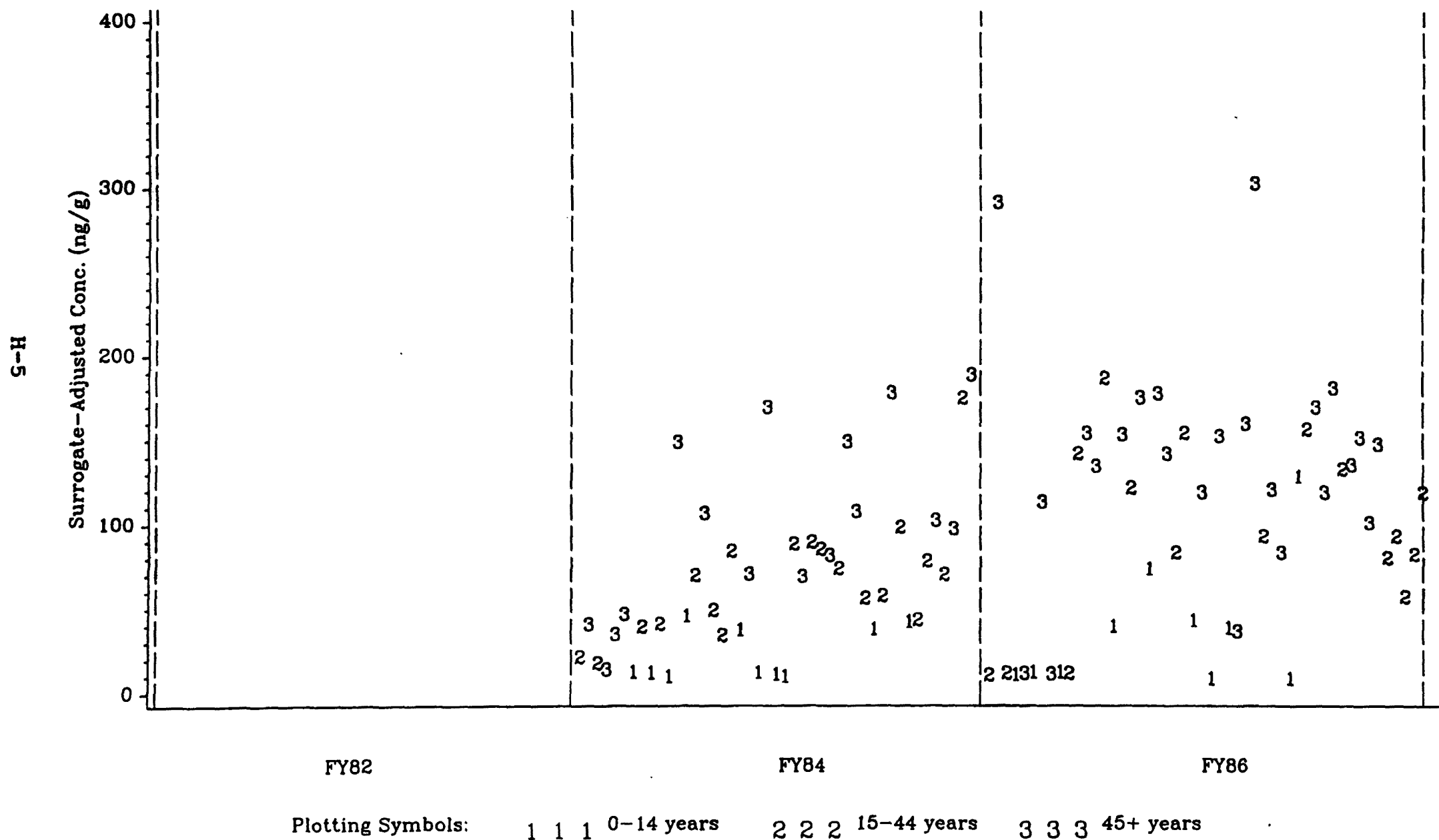
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Heptachlor epoxide



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

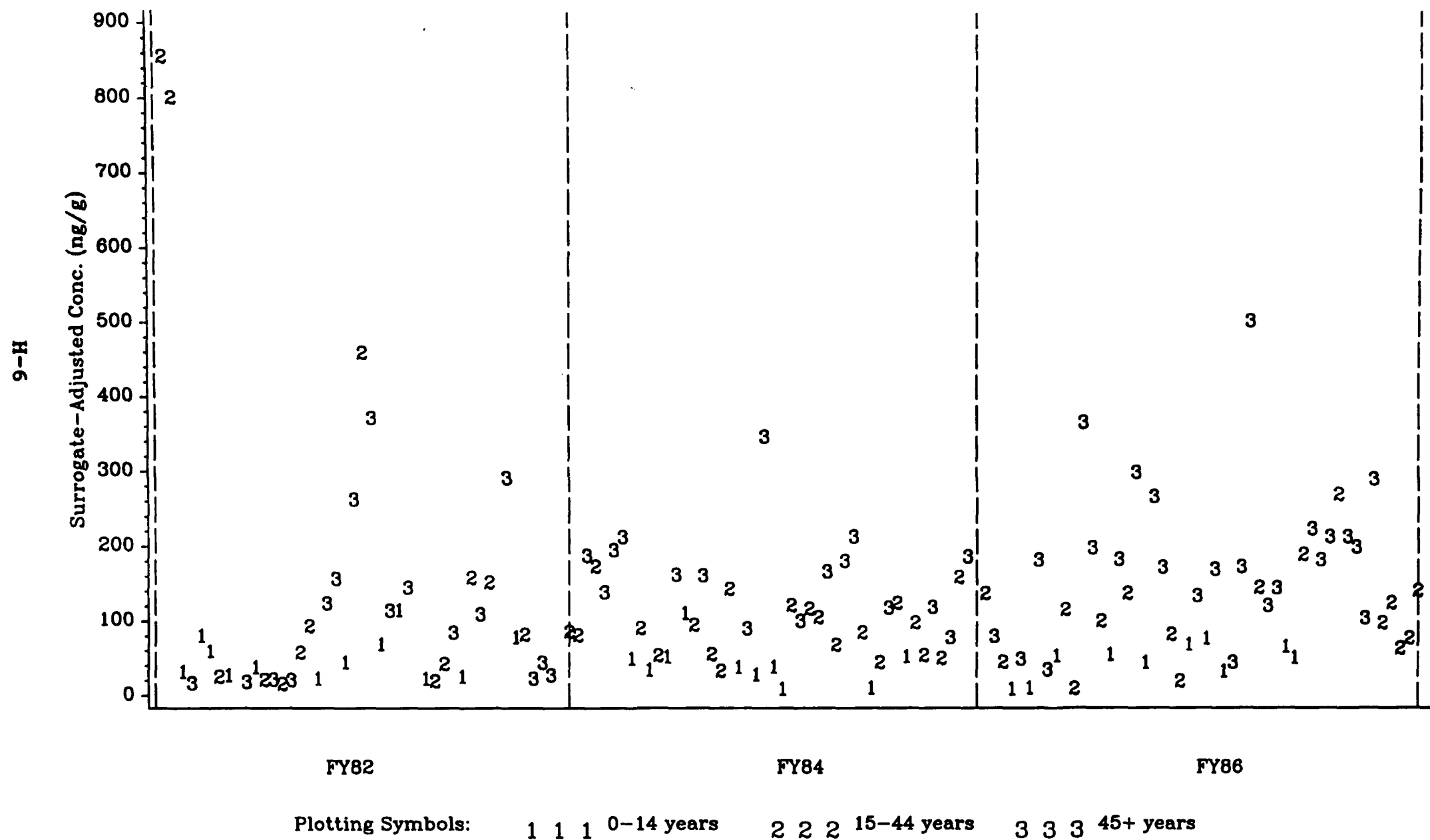
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Oxychlorane



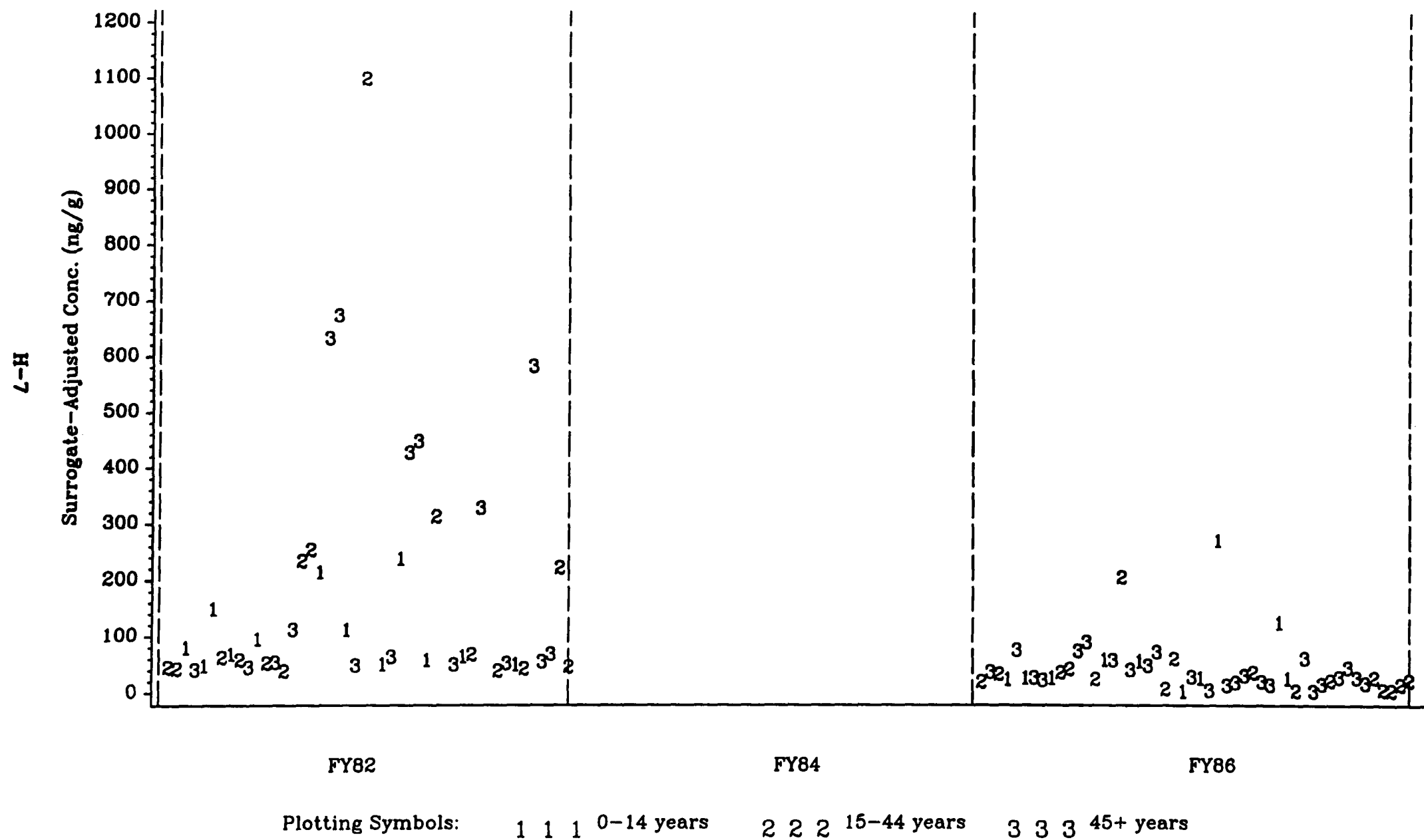
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Trans-nonachlor



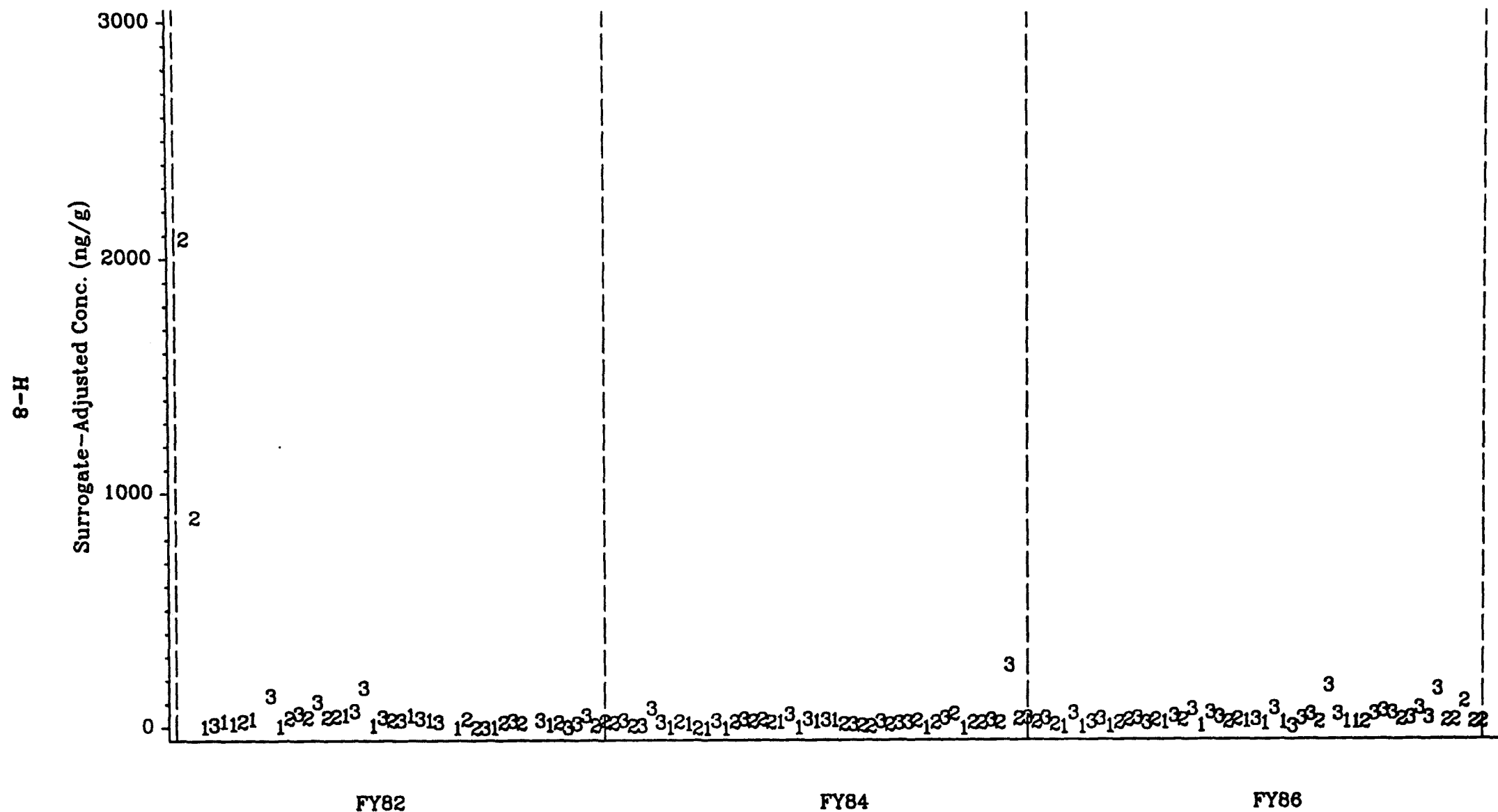
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Dieldrin



Not-detected concentrations are expressed as LOD/2.

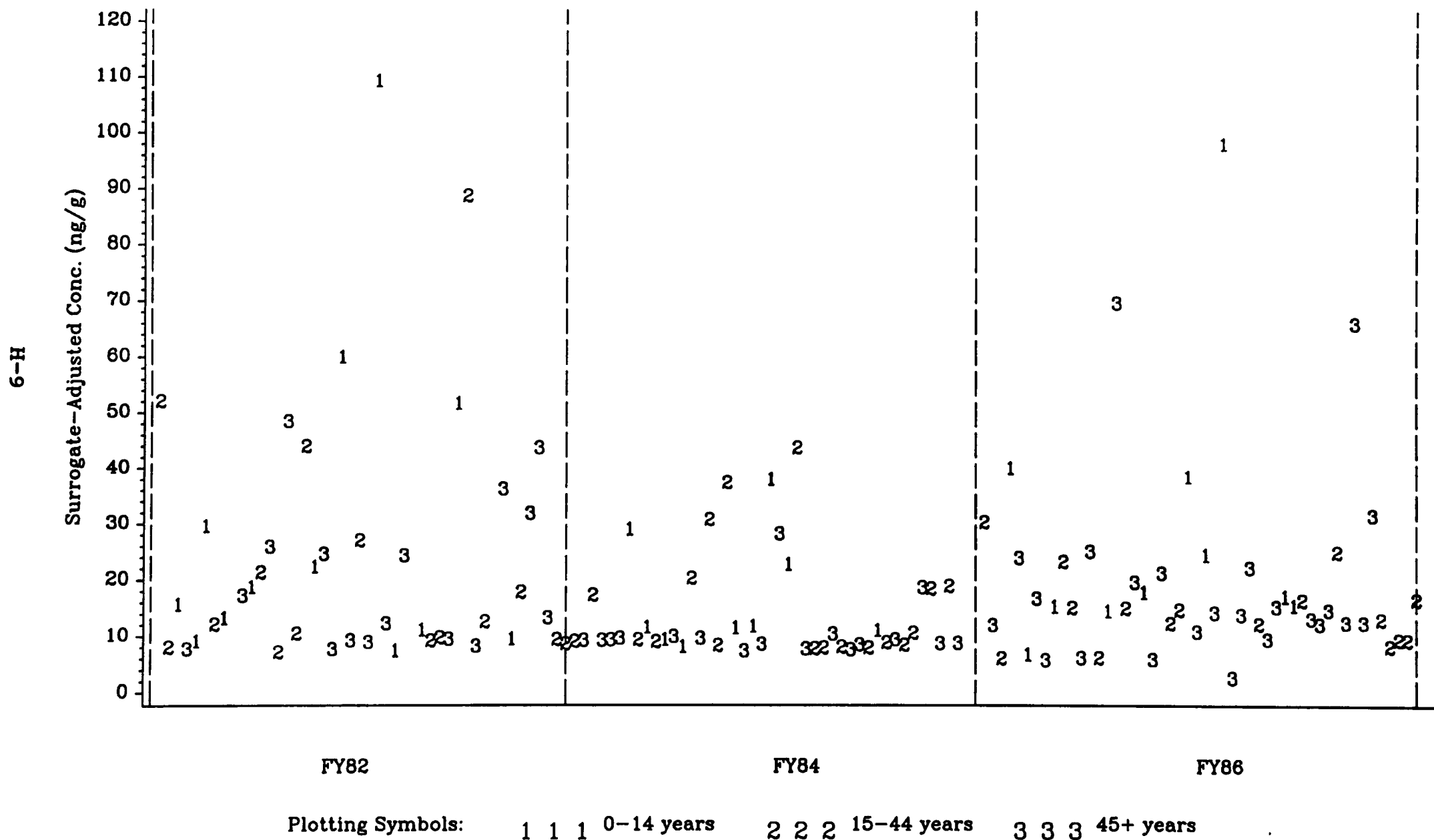
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Hexachlorobenzene



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

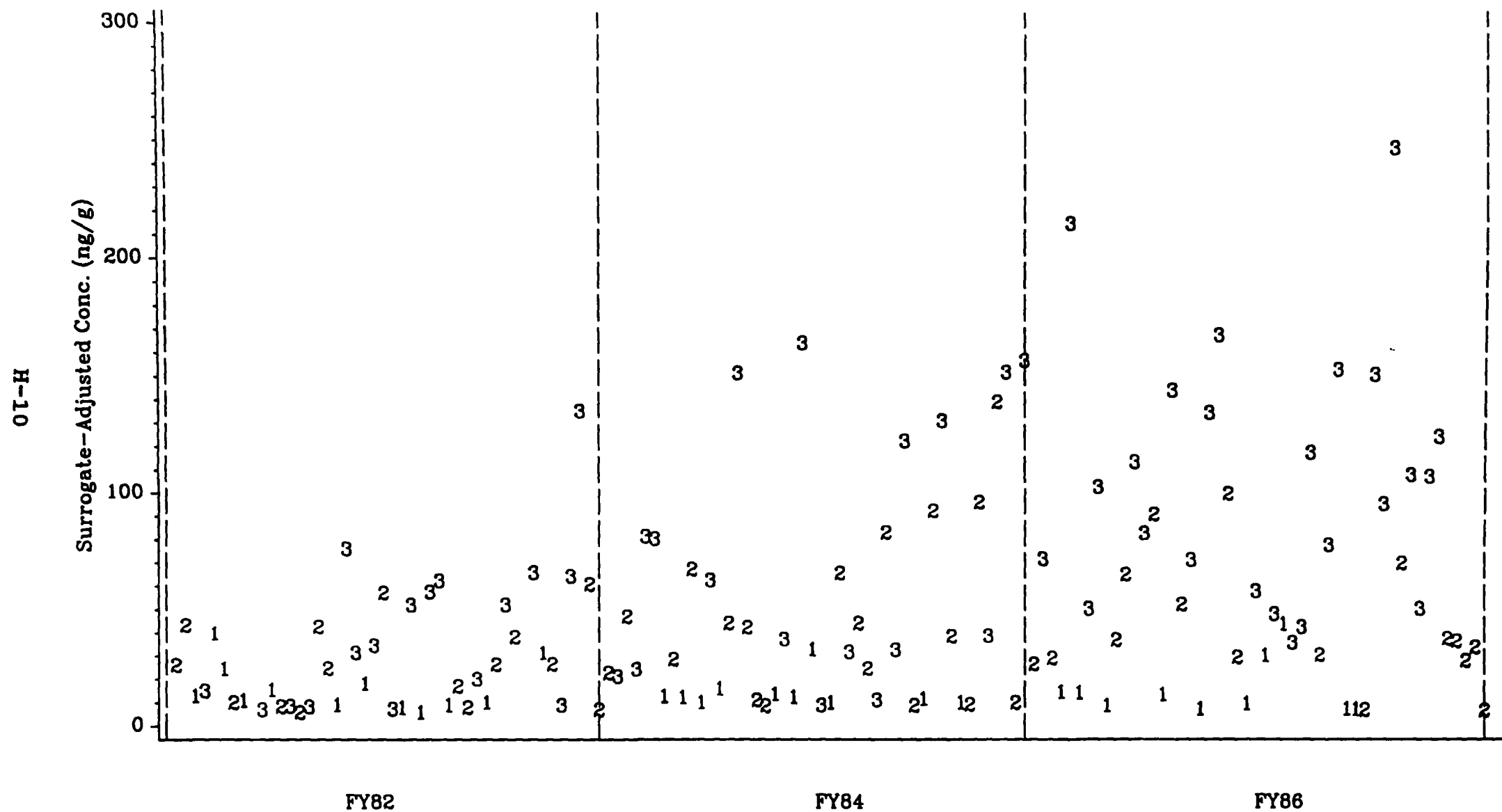
Not-detected concentrations are expressed as LOD/2.

**Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Naphthalene**



Not-detected concentrations are expressed as LOD/2.

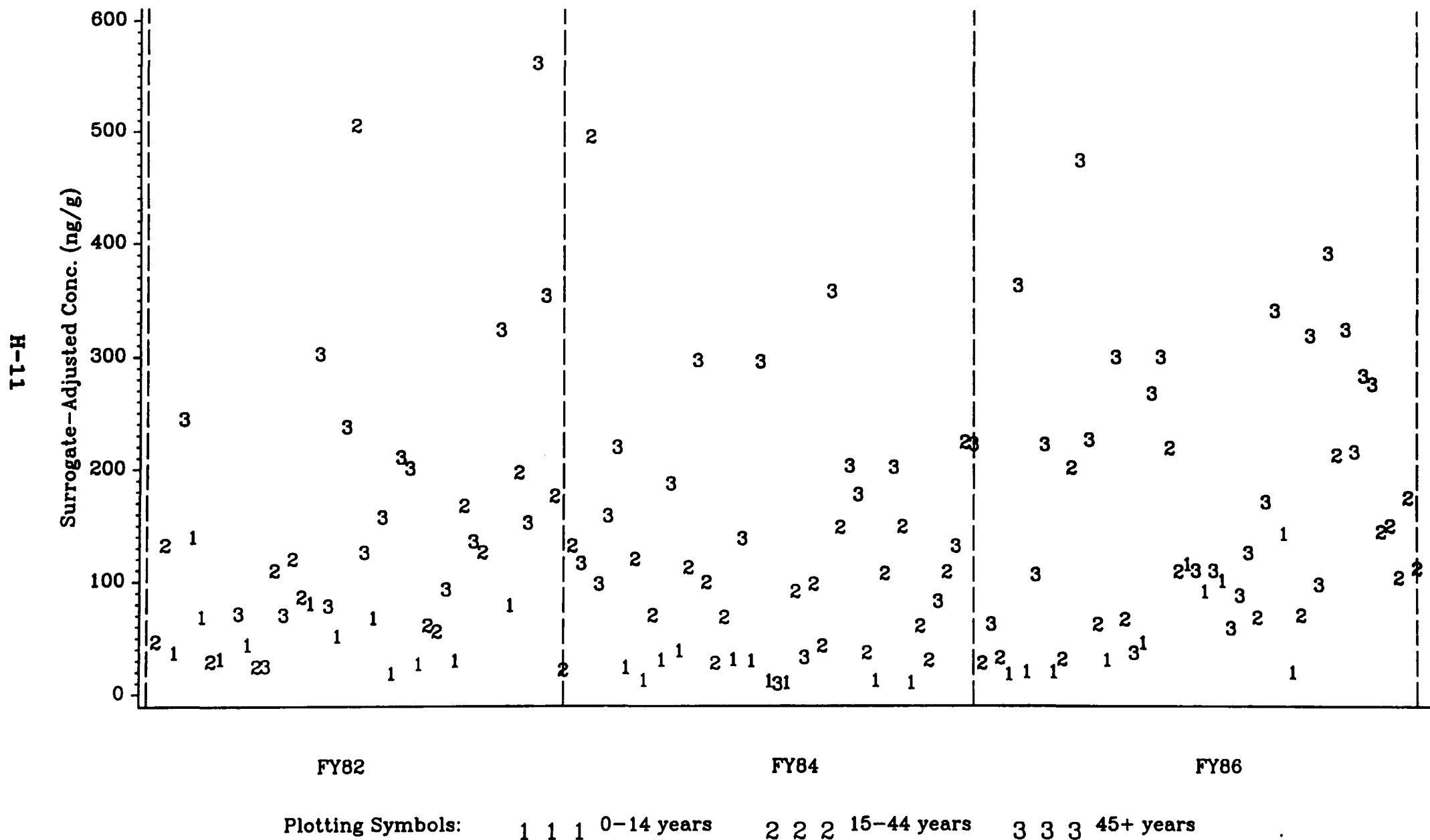
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Tetrachlorobiphenyls



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

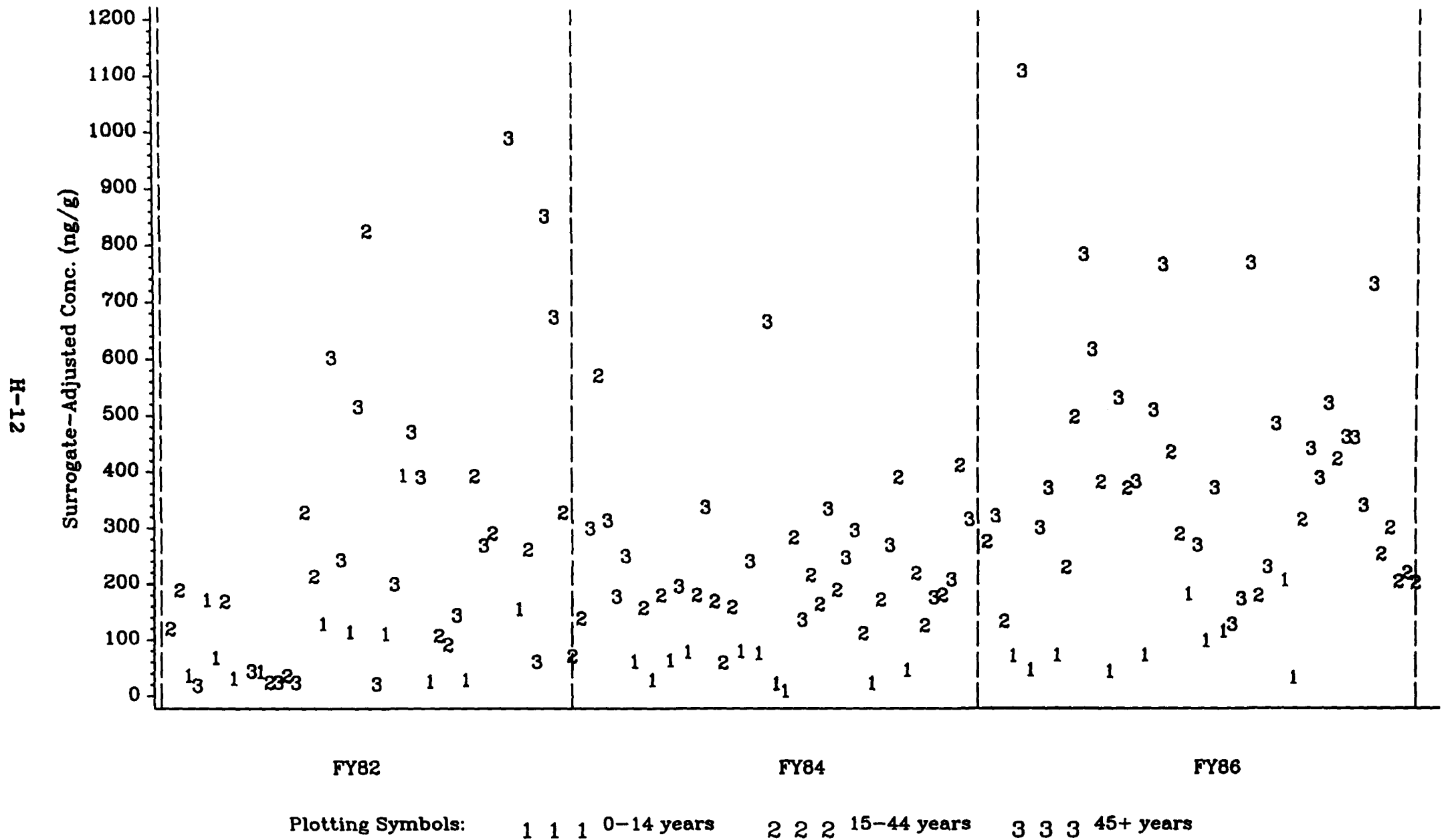
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Pentachlorobiphenyls



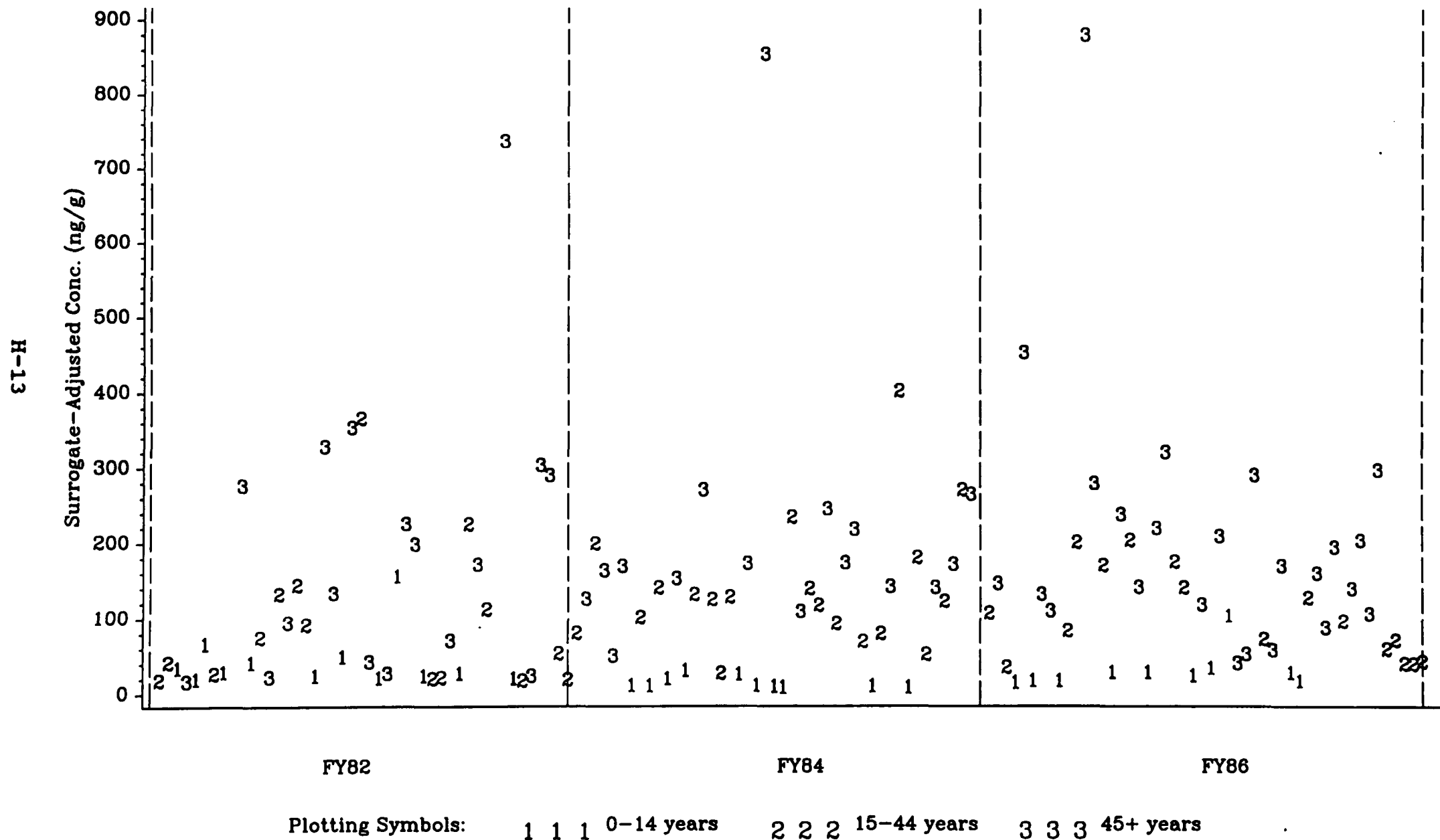
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Hexachlorobiphenyls



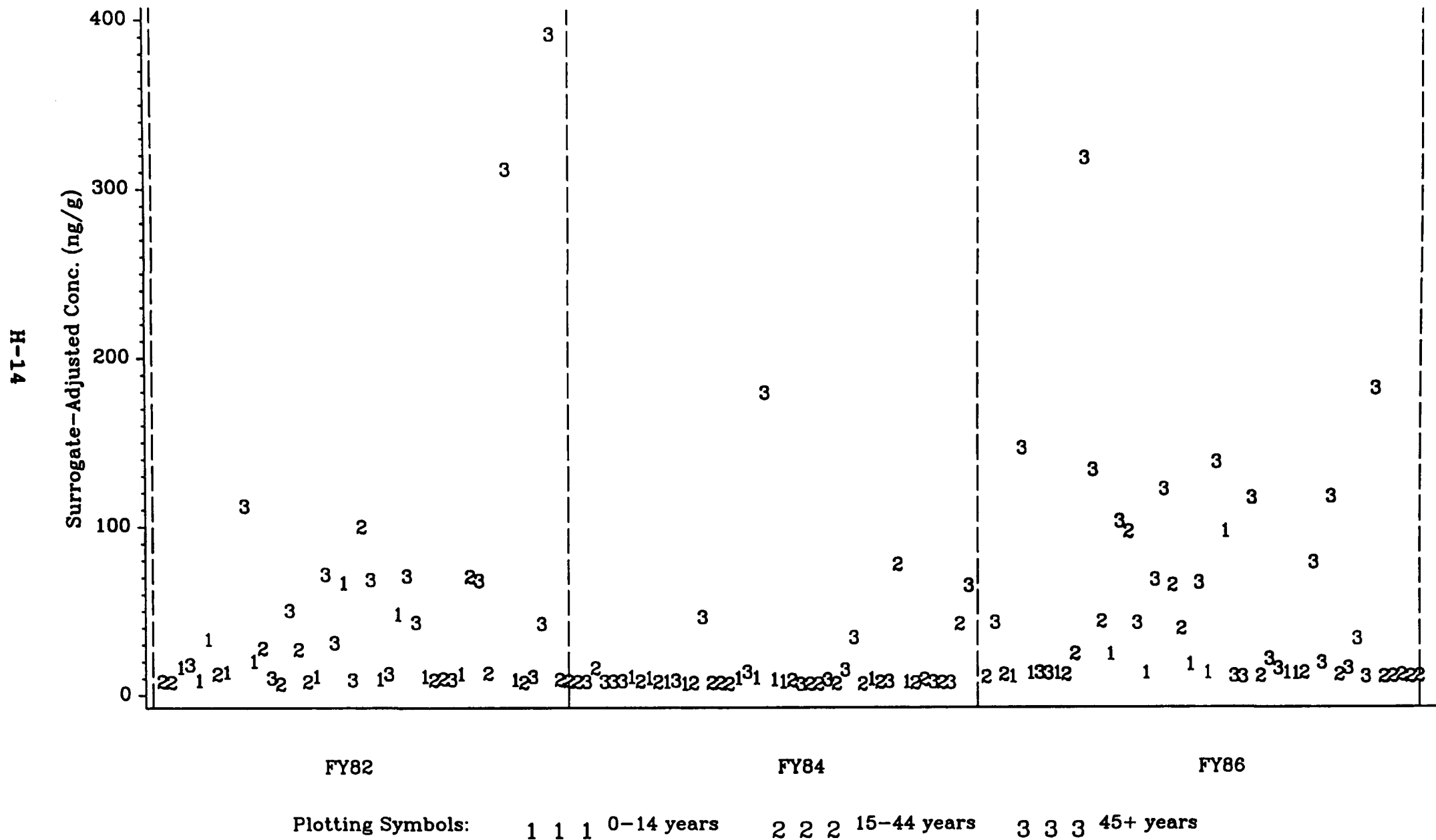
Not-detected concentrations are expressed as LOD/2.

**Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
Plotted in Chronological Order with Age Group as the Plotting Symbol  
Compound=Heptachlorobiphenyls**



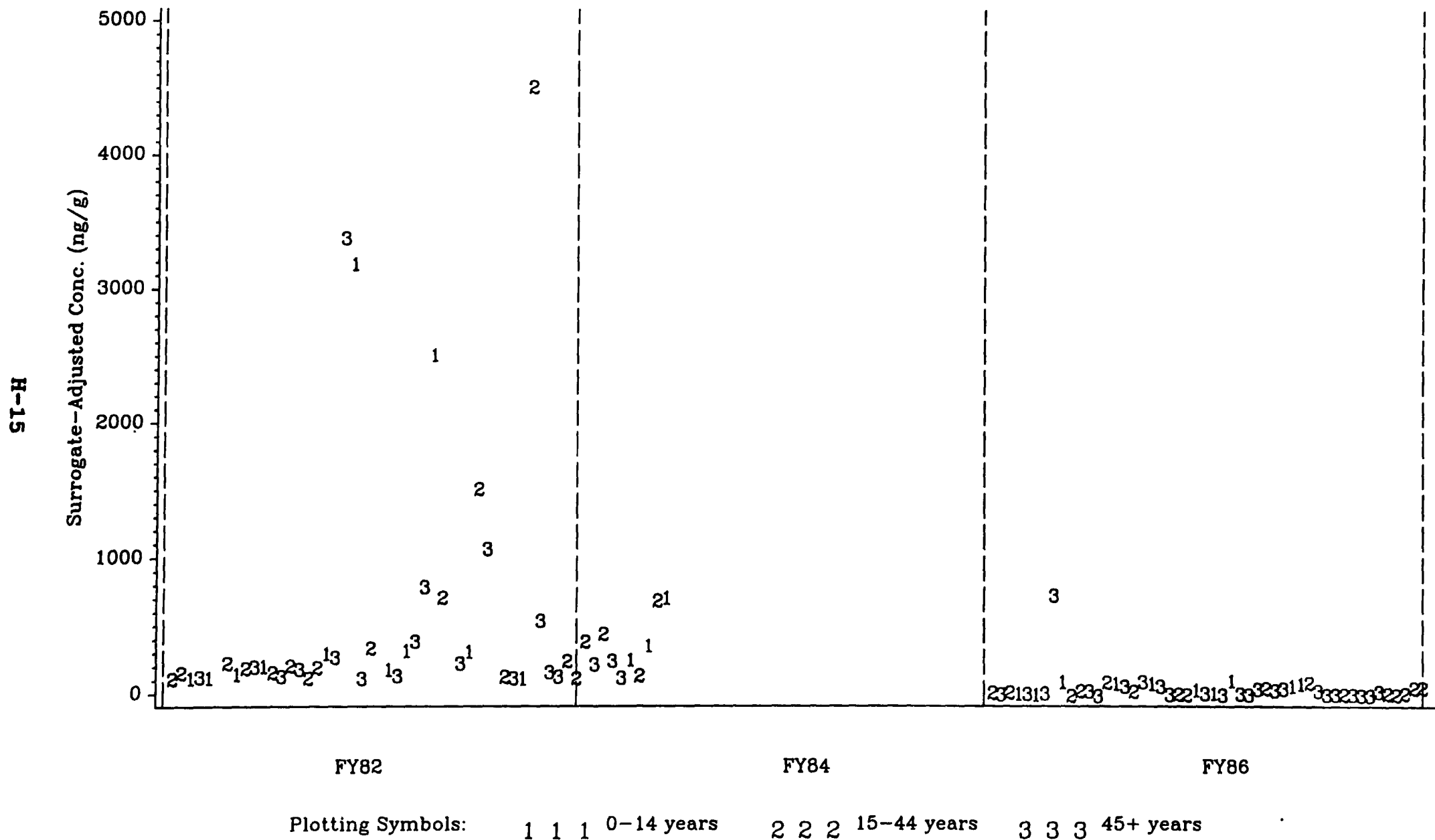
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Octachlorobiphenyls



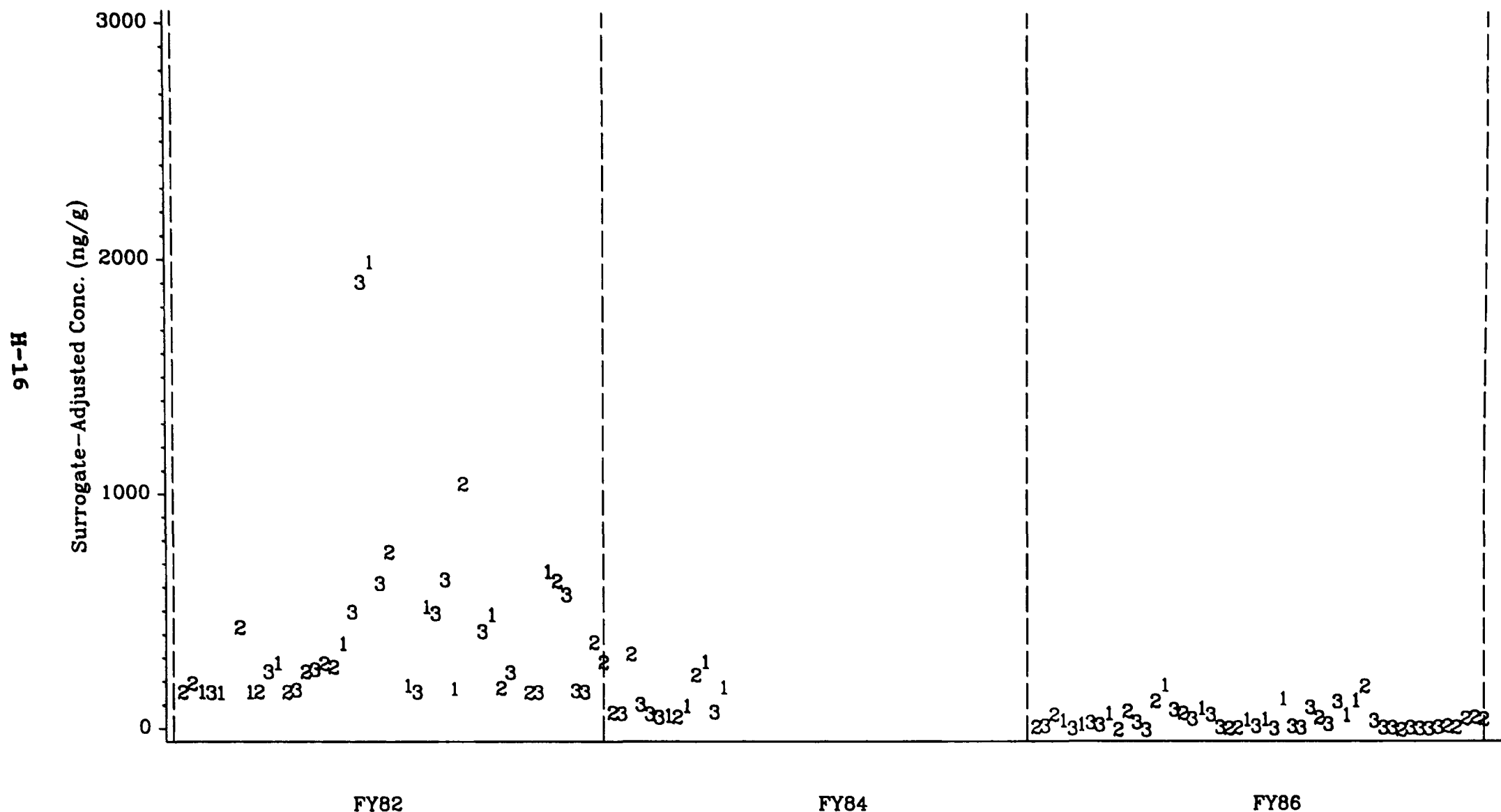
Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Di-n-Butyl Phthalate



Not-detected concentrations are expressed as LOD/2.

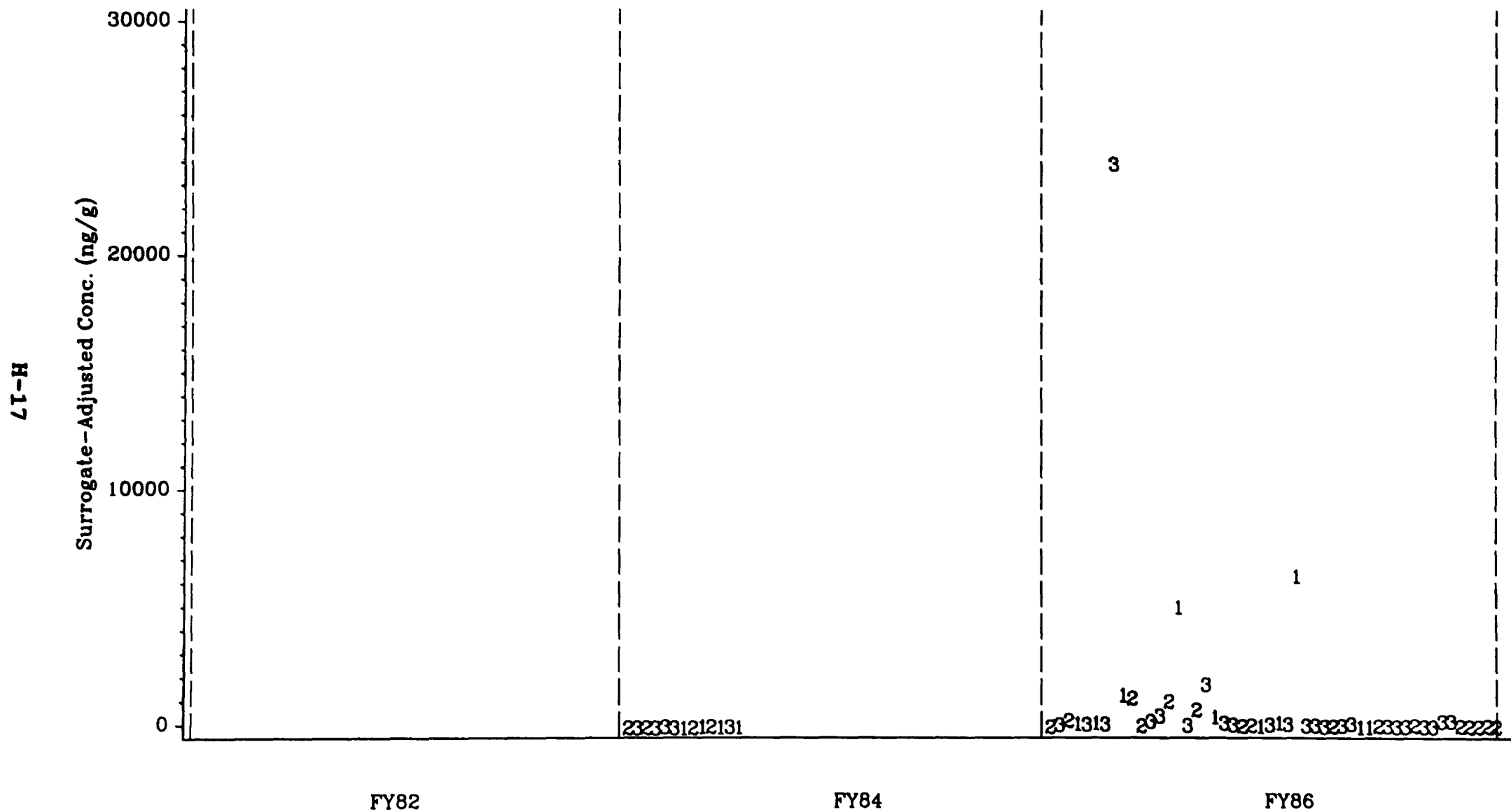
Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Butyl Benzyl Phthalate



Plotting Symbols: 1 1 1 0-14 years 2 2 2 15-44 years 3 3 3 45+ years

Not-detected concentrations are expressed as LOD/2.

Surrogate-Adjusted Concentrations (ng/g) from the FY82, FY84, and FY86 NHATS,  
 Plotted in Chronological Order with Age Group as the Plotting Symbol  
 Compound=Bis (2-Ethylhexyl) Phthalate



Plotting Symbols:    1   1   1   0-14 years    2   2   2   15-44 years    3   3   3   45+ years

Not-detected concentrations are expressed as LOD/2.

## **APPENDIX I**

**Arithmetic Averages (and Standard Errors) of Extractable Lipid  
Concentrations (ng/g) for Compounds Analyzed in the FY86 NHATS  
and Also Analyzed in the FY82 and/or FY84 NHATS**

Table I-1. Arithmetic Averages (and Standard Errors) of Extractable Lipid Concentrations (ng/g, Unadjusted for Surrogate Recoveries) for Compounds Analyzed in the FY86 NHATS and Also Analyzed in the FY82 and/or FY84 NHATS<sup>(1)</sup>

| Compound                   | FY82  |              | FY84 |              | FY86  |                         |
|----------------------------|-------|--------------|------|--------------|-------|-------------------------|
|                            | Mean  | (Std. Error) | Mean | (Std. Error) | Mean  | (Std. Error)            |
| <b>PESTICIDES</b>          |       |              |      |              |       |                         |
| p,p-DDT                    | 111.  | ( 23. )      | 90.0 | ( 12.4 )     | 227.  | ( 37. )                 |
| o,p-DDT                    |       |              | 6.73 | ( 0.25)      | 5.46  | ( 0.71)                 |
| p,p-DDE                    | 1070. | ( 170. )     | 817. | ( 82. )      | 3010. | ( 360. )                |
|                            |       |              |      |              | 2950. | ( 420. ) <sup>(2)</sup> |
| o,p-DDE                    |       |              | 7.15 | ( 0.47)      | 6.87  | ( 0.89)                 |
| o,p-DDD                    |       |              | 62.3 | ( 14.8 )     | 6.75  | ( 0.87)                 |
| ALPHA-BHC                  |       |              | 9.96 | ( 3.43)      | 5.50  | ( 0.71)                 |
| BETA-BHC                   | 175.  | ( 24. )      | 134. | ( 18. )      | 209.  | ( 20. )                 |
| GAMMA-BHC (LINDANE)        |       |              | 9.45 | ( 2.56)      | 8.74  | ( 2.45)                 |
| DELTA-BHC                  |       |              | 9.08 | ( 1.91)      | 6.15  | ( 0.80)                 |
| ALDRIN                     |       |              | 6.55 | ( 0.17)      | 5.79  | ( 0.74)                 |
| DIELDRIN <sup>(3)</sup>    | 105.  | ( 20. )      | 25.5 | ( 8.6 )      | 70.0  | ( 7.7 )                 |
|                            |       |              |      |              | 54.3  | ( 8.3 ) <sup>(4)</sup>  |
| ENDRIN <sup>(3)</sup>      |       |              | 19.4 | ( 3.8 )      | 72.8  | ( 8.0 )                 |
| TRANS-NONACHLOR            | 76.0  | ( 17.3 )     | 75.0 | ( 7.0 )      | 161.  | ( 17. )                 |
| OXYCHLORDANE               |       |              | 47.3 | ( 5.0 )      | 123.  | ( 12. )                 |
| HEPTACHLOR EPOXIDE         | 44.7  | ( 9.1 )      | 49.1 | ( 5.9 )      | 81.3  | ( 6.6 )                 |
| HEPTACHLOR                 |       |              | 9.54 | ( 1.46)      | 17.6  | ( 11.9 )                |
| MIREX                      | 10.0  | ( 1.42)      | 7.40 | ( 0.69)      | 12.1  | ( 1.7 )                 |
| GAMMA-CHLORDANE            |       |              | 6.52 | ( 0.17)      | 5.41  | ( 0.70)                 |
| <b>CHLOROBENZENES</b>      |       |              |      |              |       |                         |
| 1,2-DICHLOROBENZENE        | 10.1  | ( 1.6 )      |      |              | 5.14  | ( 0.66)                 |
| 1,2,3-TRICHLOROBENZENE     |       |              | 6.52 | ( 0.17)      | 5.88  | ( 0.76)                 |
| 1,2,4-TRICHLOROBENZENE     | 7.07  | ( 0.52)      | 7.31 | ( 0.57)      | 5.08  | ( 0.66)                 |
| 1,3,5-TRICHLOROBENZENE     |       |              | 6.52 | ( 0.17)      | 5.53  | ( 0.72)                 |
| 1,2,3,4-TETRACHLOROBENZENE |       |              | 6.52 | ( 0.17)      | 5.84  | ( 0.76)                 |
| 1,2,3,5-TETRACHLOROBENZENE |       |              | 6.52 | ( 0.17)      | 5.79  | ( 0.75)                 |
| 1,2,4,5-TETRACHLOROBENZENE |       |              | 6.52 | ( 0.17)      | 5.38  | ( 0.70)                 |
| PENTACHLOROBENZENE         | 6.58  | ( 0.37)      | 6.52 | ( 0.17)      | 5.04  | ( 0.65)                 |
| HEXACHLOROBENZENE          | 68.4  | ( 30.7 )     | 24.3 | ( 3.4 )      | 54.7  | ( 5.2 )                 |

Table I-1. (cont.)

| Compound                                 | FY82  |              | FY84 |              | FY86  |              |
|------------------------------------------|-------|--------------|------|--------------|-------|--------------|
|                                          | Mean  | (Std. Error) | Mean | (Std. Error) | Mean  | (Std. Error) |
| <b>PHTHALATE ESTERS<sup>(3)</sup></b>    |       |              |      |              |       |              |
| DIMETHYL PHTHALATE                       |       |              | 7.10 | ( 0.44 )     | 13.6  | ( 1.5 )      |
| DIETHYL PHTHALATE                        | 76.3  | ( 27.5 )     | 7.64 | ( 0.64 )     | 17.9  | ( 2.7 )      |
| DI-N-BUTYL PHTHALATE                     | 348.  | ( 112. )     | 207. | ( 44. )      | 63.0  | ( 16.5 )     |
| BUTYL BENZYL PHTHALATE                   | 246.  | ( 59. )      | 57.4 | ( 17.5 )     | 58.0  | ( 7.4 )      |
| BIS (2-ETHYLHEXYL) PHTHALATE             |       |              | 19.4 | ( 3.8 )      | 1010. | ( 560. )     |
| <b>PHOSPHATE TRIESTERS<sup>(3)</sup></b> |       |              |      |              |       |              |
| TRIBUTYL PHOSPHATE                       | 33.4  | ( 2.5 )      | 7.10 | ( 0.44 )     | 57.7  | ( 6.3 )      |
| TRIPHENYL PHOSPHATE                      | 1840. | ( 1730. )    | 65.8 | ( 48.4 )     | 30.4  | ( 5.7 )      |
| TRIS (2-CHLOROETHYL) PHOSPHATE           | 29.6  | ( 4.3 )      | 19.4 | ( 3.8 )      | 69.4  | ( 7.6 )      |
| TRITOLYL PHOSPHATE                       |       |              | 24.3 | ( 3.8 )      | 24.3  | ( 2.6 )      |
| <b>PAHs</b>                              |       |              |      |              |       |              |
| NAPHTHALENE                              | 14.4  | ( 2.0 )      | 9.47 | ( 0.89 )     | 20.5  | ( 2.5 )      |
| PHENANTHRENE                             | 8.23  | ( 0.73 )     | 20.5 | ( 7.7 )      | 5.92  | ( 0.73 )     |
| FLUORANTHENE                             |       |              | 7.18 | ( 0.44 )     | 5.44  | ( 0.69 )     |
| CHRYSENE                                 |       |              | 10.3 | ( 1.7 )      | 5.61  | ( 0.71 )     |
| ACENAPHTHENE                             |       |              | 6.52 | ( 0.17 )     | 5.36  | ( 0.69 )     |
| ACENAPHTHALENE                           |       |              | 6.57 | ( 0.18 )     | 5.51  | ( 0.71 )     |
| FLUORENE                                 |       |              | 8.29 | ( 1.40 )     | 6.09  | ( 0.79 )     |
| PYRENE                                   | 6.63  | ( 0.38 )     | 20.0 | ( 11.6 )     | 5.11  | ( 0.66 )     |
| <b>PCBs</b>                              |       |              |      |              |       |              |
| MONOCHLOROBIPHENYLS                      |       |              | 6.52 | ( 0.17 )     | 6.41  | ( 1.05 )     |
| DICHLOROBIPHENYLS                        |       |              | 6.52 | ( 0.17 )     | 6.49  | ( 1.06 )     |
| TRICHLOROBIPHENYLS                       | 9.46  | ( 0.95 )     | 10.8 | ( 0.8 )      | 16.5  | ( 2.1 )      |
| TETRACHLOROBIPHENYLS                     | 21.4  | ( 2.8 )      | 34.0 | ( 4.7 )      | 88.1  | ( 10.7 )     |
| PENTACHLOROBIPHENYLS                     | 69.7  | ( 9.7 )      | 77.3 | ( 10.1 )     | 188.  | ( 21. )      |
| HEXACHLOROBIPHENYLS                      | 123.  | ( 19. )      | 135. | ( 14. )      | 422.  | ( 42. )      |
| HEPTACHLOROBIPHENYLS                     | 62.8  | ( 11.2 )     | 93.5 | ( 14.0 )     | 176.  | ( 27. )      |

Table I-1. (cont.)

| Compound            | FY82 |              | FY84 |              | FY86 |              |
|---------------------|------|--------------|------|--------------|------|--------------|
|                     | Mean | (Std. Error) | Mean | (Std. Error) | Mean | (Std. Error) |
| PCBs (cont.)        |      |              |      |              |      |              |
| OCTACHLOROBIPHENYLS | 46.0 | ( 11.2 )     | 12.7 | ( 2.9 )      | 60.7 | ( 11.1 )     |
| NONACHLOROBIPHENYLS | 22.7 | ( 6.8 )      | 14.4 | ( 2.2 )      | 25.7 | ( 4.1 )      |
| DECACHLOROBIPHENYL  | 39.1 | ( 4.1 )      | 16.5 | ( 2.3 )      | 32.6 | ( 4.3 )      |

(1) For samples having not-detected results, the measured concentration is taken to be one-half of the LOD. Refer to Table 8-6 to determine how often this substitution is made. Statistics are presented only for those compounds analyzed within a given survey.

(2) Quantitation ion used:  $m/z=316$ .

(3) Results based on only 13 samples in FY84.

(4) Corrected data (see Section 5.1.2).

Table I-2. Arithmetic Averages (and Standard Errors) of Extractable Lipid Concentrations (ng/g, Adjusted for Surrogate Recoveries) for Compounds Analyzed in the FY86 NHATS and Also Analyzed in the FY82 and/or FY84 NHATS<sup>(1)</sup>

| Compound                   | FY82  |              | FY84  |              | FY86  |                         |
|----------------------------|-------|--------------|-------|--------------|-------|-------------------------|
|                            | Mean  | (Std. Error) | Mean  | (Std. Error) | Mean  | (Std. Error)            |
| <b>PESTICIDES</b>          |       |              |       |              |       |                         |
| p,p-DDT                    | 193.  | ( 38. )      | 136.  | ( 18. )      | 200.  | ( 31. )                 |
| o,p-DDT                    |       |              | 10.1  | ( 0.4 )      | 4.79  | ( 0.58 )                |
| p,p-DDE                    | 1850. | ( 280. )     | 1230. | ( 120. )     | 2650. | ( 300. )                |
|                            |       |              |       |              | 2590. | ( 350. ) <sup>(2)</sup> |
| o,p-DDE                    |       |              | 10.8  | ( 0.7 )      | 6.03  | ( 0.73 )                |
| o,p-DDD                    |       |              | 93.9  | ( 21.3 )     | 5.93  | ( 0.71 )                |
| ALPHA-BHC                  |       |              | 15.0  | ( 4.9 )      | 4.83  | ( 0.58 )                |
| BETA-BHC                   | 303.  | ( 39. )      | 201.  | ( 26. )      | 184.  | ( 16. )                 |
| GAMMA-BHC (LINDANE)        |       |              | 14.2  | ( 3.7 )      | 9.01  | ( 2.30 )                |
| DELTA-BHC                  |       |              | 13.7  | ( 2.8 )      | 5.40  | ( 0.65 )                |
| ALDRIN                     |       |              | 9.87  | ( 0.24 )     | 5.08  | ( 0.61 )                |
| DIELDRIN <sup>(3)</sup>    | 182.  | ( 34. )      | 38.5  | ( 12.4 )     | 61.5  | ( 6.3 )                 |
|                            |       |              |       |              | 47.7  | ( 6.8 ) <sup>(4)</sup>  |
| ENDRIN <sup>(3)</sup>      |       |              | 29.2  | ( 5.5 )      | 64.0  | ( 6.5 )                 |
| TRANS-NONACHLOR            | 132.  | ( 29. )      | 113.  | ( 10. )      | 141.  | ( 14. )                 |
| OXYCHLORDANE               |       |              | 71.3  | ( 7.2 )      | 108.  | ( 10. )                 |
| HEPTACHLOR EPOXIDE         | 77.5  | ( 15.0 )     | 74.1  | ( 8.6 )      | 63.7  | ( 4.7 )                 |
| HEPTACHLOR                 |       |              | 14.4  | ( 2.1 )      | 15.5  | ( 9.7 )                 |
| MIREX                      | 17.3  | ( 2.3 )      | 11.2  | ( 1.0 )      | 10.6  | ( 1.4 )                 |
| GAMMA-CHLORDANE            |       |              | 9.82  | ( 0.24 )     | 4.75  | ( 0.57 )                |
| <b>CHLOROBENZENES</b>      |       |              |       |              |       |                         |
| 1,2-DICHLOROBENZENE        | 19.9  | ( 3.1 )      |       |              | 6.77  | ( 0.80 )                |
| 1,2,3-TRICHLOROBENZENE     |       |              | 22.4  | ( 0.5 )      | 9.48  | ( 1.12 )                |
| 1,2,4-TRICHLOROBENZENE     | 13.9  | ( 0.9 )      | 25.1  | ( 1.7 )      | 8.19  | ( 0.96 )                |
| 1,3,5-TRICHLOROBENZENE     |       |              | 22.4  | ( 0.5 )      | 8.92  | ( 1.05 )                |
| 1,2,3,4-TETRACHLOROBENZENE |       |              | 14.8  | ( 0.3 )      | 7.62  | ( 0.92 )                |
| 1,2,3,5-TETRACHLOROBENZENE |       |              | 14.8  | ( 0.3 )      | 7.56  | ( 0.91 )                |
| 1,2,4,5-TETRACHLOROBENZENE |       |              | 14.8  | ( 0.3 )      | 7.02  | ( 0.84 )                |
| PENTACHLOROBENZENE         | 12.9  | ( 0.7 )      | 15.1  | ( 0.4 )      | 6.65  | ( 0.80 )                |
| HEXACHLOROBENZENE          | 118.  | ( 52. )      | 42.9  | ( 5.9 )      | 55.1  | ( 4.9 )                 |

Table I-2. (cont.)

| Compound                                 | FY82  |              | FY84 |              | FY86 |              |
|------------------------------------------|-------|--------------|------|--------------|------|--------------|
|                                          | Mean  | (Std. Error) | Mean | (Std. Error) | Mean | (Std. Error) |
| <b>PHTHALATE ESTERS<sup>(3)</sup></b>    |       |              |      |              |      |              |
| DIMETHYL PHTHALATE                       |       |              | 14.3 | ( 0.7 )      | 13.1 | ( 1.3 )      |
| DIETHYL PHTHALATE                        | 132.  | ( 43. )      | 12.1 | ( 0.9 )      | 17.2 | ( 2.4 )      |
| DI-N-BUTYL PHTHALATE                     | 604.  | ( 153. )     | 462. | ( 77. )      | 60.8 | ( 14.9 )     |
| BUTYL BENZYL PHTHALATE                   | 427.  | ( 63. )      | 141. | ( 26. )      | 55.9 | ( 6.7 )      |
| BIS (2-ETHYLHEXYL) PHTHALATE             |       |              | 39.1 | ( 6.3 )      | 975. | ( 500. )     |
| <b>PHOSPHATE TRIESTERS<sup>(3)</sup></b> |       |              |      |              |      |              |
| TRIBUTYL PHOSPHATE                       | 57.9  | ( 4.2 )      | 10.7 | ( 0.6 )      | 55.6 | ( 5.7 )      |
| TRIPHENYL PHOSPHATE                      | 3190. | (2870. )     | 99.1 | ( 69.7 )     | 29.3 | ( 5.1 )      |
| TRIS (2-CHLOROETHYL) PHOSPHATE           | 51.4  | ( 7.1 )      | 29.2 | ( 5.5 )      | 67.0 | ( 6.9 )      |
| TRITOLYL PHOSPHATE                       |       |              | 36.7 | ( 5.5 )      | 23.5 | ( 2.4 )      |
| <b>PAHs</b>                              |       |              |      |              |      |              |
| NAPHTHALENE                              | 24.6  | ( 3.4 )      | 14.6 | ( 1.3 )      | 20.3 | ( 2.4 )      |
| PHENANTHRENE                             | 14.0  | ( 1.2 )      | 31.6 | ( 11.6 )     | 5.87 | ( 0.70 )     |
| FLUORANTHENE                             |       |              | 11.0 | ( 0.7 )      | 5.39 | ( 0.67 )     |
| CHRYSENE                                 |       |              | 15.8 | ( 2.6 )      | 5.56 | ( 0.68 )     |
| ACENAPHTHENE                             |       |              | 10.0 | ( 0.2 )      | 5.31 | ( 0.67 )     |
| ACENAPHTHALENE                           |       |              | 10.1 | ( 0.3 )      | 5.46 | ( 0.69 )     |
| FLUORENE                                 |       |              | 12.8 | ( 2.1 )      | 6.04 | ( 0.76 )     |
| PYRENE                                   | 11.3  | ( 0.6 )      | 30.7 | ( 17.5 )     | 5.06 | ( 0.64 )     |
| <b>PCBs</b>                              |       |              |      |              |      |              |
| MONOCHLOROBIPHENYLS                      |       |              | 9.91 | ( 0.24 )     | 6.25 | ( 0.97 )     |
| DICHLOROBIPHENYLS                        |       |              | 10.1 | ( 0.2 )      | 5.84 | ( 0.87 )     |
| TRICHLOROBIPHENYLS                       | 15.6  | ( 1.5 )      | 16.8 | ( 1.2 )      | 14.8 | ( 1.7 )      |
| TETRACHLOROBIPHENYLS                     | 31.5  | ( 4.0 )      | 52.7 | ( 7.0 )      | 70.1 | ( 7.9 )      |
| PENTACHLOROBIPHENYLS                     | 137.  | ( 18. )      | 120. | ( 15. )      | 157. | ( 16. )      |
| HEXACHLOROBIPHENYLS                      | 242.  | ( 37. )      | 208. | ( 20. )      | 351. | ( 32. )      |
| HEPTACHLOROBIPHENYLS                     | 123.  | ( 21. )      | 145. | ( 21. )      | 146. | ( 20. )      |

Table I-2. (cont.)

| Compound            | FY82 |              | FY84 |              | FY86 |              |
|---------------------|------|--------------|------|--------------|------|--------------|
|                     | Mean | (Std. Error) | Mean | (Std. Error) | Mean | (Std. Error) |
| PCBs (cont.)        |      |              |      |              |      |              |
| OCTACHLOROBIPHENYLS | 92.6 | ( 21.7 )     | 19.7 | ( 4.3 )      | 51.9 | ( 8.5 )      |
| NONACHLOROBIPHENYLS | 37.3 | ( 10.8 )     | 22.3 | ( 3.3 )      | 23.1 | ( 3.4 )      |
| DECACHLOROBIPHENYL  | 62.3 | ( 5.9 )      | 25.7 | ( 3.3 )      | 31.1 | ( 3.5 )      |

(1) For samples having not-detected results, the measured concentration is taken to be one-half of the LOD. Refer to Table 8-6 to determine how often this substitution is made. Statistics are presented only for those compounds analyzed within a given survey. See Section 5.2 on the method for adjusting data for surrogate recoveries.

(2) Quantitation ion used:  $m/z=316$ .

(3) Results based on only 13 samples in FY84.

(4) Corrected data (see Section 5.1.2).

## **APPENDIX J**

**Comparisons of Predicted Average Concentrations (ng/g) by  
Selected Subpopulations for Selected Semivolatiles  
over the FY82, FY84, and FY86 NHATS**

Table J-1. Comparisons of Predicted Average Concentrations (ng/g) by Census Region for Selected Semivolatiles over the FY82, FY84, and FY86 NHATS<sup>(1)</sup>

| Compound               | Census Region | FY82  |        | FY84 <sup>(2)</sup> |        | FY86  |        | FY86-FY82 |         | FY86-FY84 |         |
|------------------------|---------------|-------|--------|---------------------|--------|-------|--------|-----------|---------|-----------|---------|
|                        |               | Mean  | (S.E.) | Mean                | (S.E.) | Mean  | (S.E.) | Diff.     | (S.E.)  | Diff.     | (S.E.)  |
| p,p-DDT                | NC            | 44.0  | (19.4) | 98.2                | (12.2) | 136.  | (24.)  | 91.7      | (30.7)  | 37.5      | (26.7)  |
|                        | NE            | 244.  | (62.)  | 111.                | (23.)  | 273.  | (57.)  | 28.9      | (83.7)  | 162.      | (61.)   |
|                        | South         | 298.  | (62.)  | 164.                | (18.)  | 132.  | (23.)  | -167.     | (66.)   | -32.6     | (29.4)  |
|                        | West          | 133.  | (60.)  | 101.                | (25.)  | 202.  | (51.)  | 69.3      | (78.2)  | 101.      | (56.)   |
| p,p-DDE <sup>(3)</sup> | NC            | 1030. | (400.) | 940.                | (95.)  | 1820. | (310.) | 787.      | (505.)  | 881.      | (321.)  |
|                        | NE            | 1960. | (710.) | 1510.               | (240.) | 2310. | (490.) | 351.      | (861.)  | 795.      | (545.)  |
|                        | South         | 2520. | (630.) | 1070.               | (100.) | 2240. | (360.) | -280.     | (723.)  | 1180.     | (370.)  |
|                        | West          | 1610. | (960.) | 1150.               | (240.) | 3240. | (940.) | 1630.     | (1340.) | 2090.     | (970.)  |
| BETA-BHC               | NC            | 159.  | (62.)  | 171.                | (29.)  | 151.  | (43.)  | -8.21     | (75.4)  | -19.8     | (51.5)  |
|                        | NE            | 366.  | (118.) | 216.                | (62.)  | 157.  | (55.)  | -209.     | (130.)  | -58.8     | (82.3)  |
|                        | South         | 434.  | (105.) | 179.                | (29.)  | 177.  | (43.)  | -257.     | (114.)  | -2.05     | (51.4)  |
|                        | West          | 138.  | (116.) | 254.                | (83.)  | 130.  | (55.)  | -8.48     | (128)   | -124.     | (100.)  |
| TRANS-NONACHLOR        | NC            | 36.8  | (15.3) | 87.0                | (5.9)  | 89.2  | (26.2) | 52.4      | (30.3)  | 2.20      | (26.8)  |
|                        | NE            | 264.  | (108.) | 108.                | (11.)  | 156.  | (33.)  | -109.     | (113.)  | 48.1      | (35.1)  |
|                        | South         | 97.8  | (34.5) | 128.                | (8.)   | 154.  | (26.)  | 56.7      | (43.3)  | 26.7      | (27.4)  |
|                        | West          | 50.6  | (46.7) | 84.5                | (10.2) | 116.  | (34.)  | 65.1      | (57.7)  | 31.2      | (35.3)  |
| HEPTACHLOR EPOXIDE     | NC            | 30.4  | (9.9)  | 75.2                | (10.7) | 63.5  | (7.4)  | 33.1      | (12.4)  | -11.7     | (13.0)  |
|                        | NE            | 146.  | (53.)  | 57.1                | (11.1) | 48.4  | (9.1)  | -97.4     | (54.1)  | -8.72     | (14.4)  |
|                        | South         | 44.7  | (12.5) | 80.5                | (10.7) | 70.5  | (7.3)  | 25.8      | (14.5)  | -10.0     | (13.0)  |
|                        | West          | 26.1  | (20.0) | 50.1                | (11.3) | 37.7  | (9.4)  | 11.6      | (22.1)  | -12.4     | (14.7)  |
| HEXACHLOROBENZENE      | NC            | 27.4  | (15.3) | 41.8                | (6.2)  | 41.2  | (5.4)  | 13.8      | (16.2)  | -0.587    | (8.235) |
|                        | NE            | 440.  | (309.) | 33.0                | (7.8)  | 57.6  | (8.8)  | -382.     | (309.)  | 24.6      | (11.7)  |
|                        | South         | 27.0  | (14.2) | 29.0                | (4.1)  | 41.7  | (5.5)  | 14.7      | (15.2)  | 12.7      | (6.9)   |
|                        | West          | 35.4  | (38.5) | 80.1                | (24.3) | 74.7  | (13.6) | 39.2      | (40.8)  | -5.41     | (27.9)  |
| TETRACHLOROBIPHENYL    | NC            | 18.3  | (2.6)  | 54.4                | (8.2)  | 66.2  | (8.6)  | 48.0      | (9.0)   | 11.8      | (11.9)  |
|                        | NE            | 13.5  | (2.0)  | 51.6                | (11.8) | 78.8  | (11.6) | 65.3      | (11.8)  | 27.2      | (16.6)  |
|                        | South         | 15.1  | (1.8)  | 46.7                | (7.0)  | 46.9  | (7.9)  | 31.8      | (8.1)   | 0.169     | (10.54) |
|                        | West          | 15.7  | (4.3)  | 41.5                | (11.6) | 34.0  | (10.6) | 18.2      | (11.4)  | -7.53     | (15.7)  |

Table J-1. (cont.)

| Compound                        | Census Region | FY82 |        | FY84 <sup>(2)</sup> |        | FY86 |        | FY86-FY82 |        | FY86-FY84 |        |
|---------------------------------|---------------|------|--------|---------------------|--------|------|--------|-----------|--------|-----------|--------|
|                                 |               | Mean | (S.E.) | Mean                | (S.E.) | Mean | (S.E.) | Diff.     | (S.E.) | Diff.     | (S.E.) |
| PENTACHLOROBIPHENYL             | NC            | 63.2 | (9.2)  | 94.1                | (10.0) | 165. | (26.)  | 102.      | (28.)  | 71.4      | (28.1) |
|                                 | NE            | 76.1 | (12.3) | 178.                | (35.)  | 202. | (34.)  | 125.      | (36.)  | 23.3      | (48.8) |
|                                 | South         | 92.6 | (11.6) | 104.                | (10.)  | 107. | (26.)  | 14.5      | (28.7) | 2.77      | (28.3) |
|                                 | West          | 76.6 | (22.0) | 88.9                | (14.2) | 64.2 | (33.9) | -12.4     | (40.4) | -24.7     | (36.8) |
| HEXACHLOROBIPHENYL              | NC            | 125. | (43.)  | 172.                | (12.)  | 282. | (30.)  | 156.      | (52.)  | 110.      | (32.)  |
|                                 | NE            | 147. | (61.)  | 245.                | (28.)  | 430. | (47.)  | 283.      | (77.)  | 185.      | (55.)  |
|                                 | South         | 260. | (48.)  | 211.                | (14.)  | 299. | (30.)  | 38.5      | (57.1) | 87.5      | (33.1) |
|                                 | West          | 132. | (70.)  | 159.                | (17.)  | 250. | (41.)  | 118.      | (81.)  | 90.8      | (44.2) |
| HEPTACHLOROBIPHENYL             | NC            | 76.7 | (25.0) | 113.                | (12.)  | 101. | (38.)  | 24.5      | (45.2) | -12.1     | (39.6) |
|                                 | NE            | 24.1 | (32.9) | 136.                | (23.)  | 213. | (48.)  | 189.      | (58.)  | 77.3      | (53.1) |
|                                 | South         | 86.3 | (23.3) | 142.                | (14.)  | 109. | (38.)  | 22.6      | (44.3) | -33.3     | (40.1) |
|                                 | West          | 161. | (60.)  | 117.                | (20.)  | 85.5 | (48.6) | -75.6     | (77.4) | -31.7     | (52.7) |
| TOTAL PCBS <sup>(4)</sup>       | NC            | 328. | (51.)  | 448.                | (22.)  | 648. | (59.)  | 321.      | (78.)  | 201.      | (63.)  |
|                                 | NE            | 295. | (71.)  | 627.                | (52.)  | 998. | (80.)  | 704.      | (107)  | 371.      | (96.)  |
|                                 | South         | 508. | (56.)  | 524.                | (24.)  | 595. | (59.)  | 86.7      | (81.3) | 71.5      | (63.5) |
|                                 | West          | 464. | (99.)  | 428.                | (33.)  | 468. | (77.)  | 4.0       | (125)  | 39.9      | (83.9) |
| CHLOR. LEVEL (%) <sup>(5)</sup> | NC            | 59.3 | (10.6) | 57.9                | (3.2)  | 57.7 | (6.2)  | -1.6      | (12.2) | -0.2      | (6.9)  |
|                                 | NE            | 58.4 | (16.6) | 57.8                | (5.4)  | 58.5 | (5.4)  | 0.2       | (17.5) | 0.7       | (7.7)  |
|                                 | South         | 59.2 | (7.6)  | 58.4                | (3.0)  | 58.4 | (6.8)  | -0.8      | (10.2) | -0.0      | (7.5)  |
|                                 | West          | 60.3 | (14.5) | 58.4                | (5.1)  | 58.8 | (11.5) | -1.6      | (18.5) | 0.4       | (12.6) |

(1) Estimates originate from fitting the additive model on surrogate-adjusted concentrations.

(2) Error due to MSA sampling is not included in the standard error estimates.

(3) m/z = 316 in FY86 NHATS (see Section 5.1.2).

(4) Sum of concentrations for tetra- to octa-chlorobiphenyl.

(5) Overall chlorination level for PCBs, defined in Section 6.2.1.2.

Table J-2. Comparisons of Predicted Average Concentrations (ng/g) by Age Group for Selected Semivolatiles over the FY82, FY84, and FY86 NHATS<sup>(1)</sup>

| Compound               | Age<br>(yrs) | FY82  |        | FY84 <sup>(2)</sup> |        | FY86  |        | FY86-FY82 |         | FY86-FY84 |        |
|------------------------|--------------|-------|--------|---------------------|--------|-------|--------|-----------|---------|-----------|--------|
|                        |              | Mean  | (S.E.) | Mean                | (S.E.) | Mean  | (S.E.) | Diff.     | (S.E.)  | Diff.     | (S.E.) |
| p,p-DDT                | 0-14         | 139.  | (38.)  | 64.6                | (13.0) | 73.0  | (26.6) | -66.2     | (46.5)  | 8.43      | (29.6) |
|                        | 15-44        | 206.  | (41.)  | 121.                | (15.)  | 177.  | (29.)  | -28.8     | (50.2)  | 56.3      | (32.6) |
|                        | 45+          | 200.  | (36.)  | 170.                | (20.)  | 252.  | (33.)  | 52.5      | (48.7)  | 81.9      | (38.4) |
| p,p-DDE <sup>(3)</sup> | 0-14         | 1120. | (370.) | 558.                | (89.)  | 1710. | (380.) | 589.      | (527.)  | 1160.     | (390.) |
|                        | 15-44        | 1690. | (420.) | 1170.               | (120.) | 2150. | (360.) | 462.      | (555.)  | 978.      | (381.) |
|                        | 45+          | 2590. | (630.) | 1540.               | (160.) | 3080. | (410.) | 485.      | (754.)  | 1540.     | (440.) |
| BETA-BHC               | 0-14         | 129.  | (55.)  | 220.                | (48.)  | 100.  | (52.)  | -28.9     | (76.2)  | -120.     | (71.)  |
|                        | 15-44        | 279.  | (68.)  | 170.                | (30.)  | 124.  | (41.)  | -155.     | (79.)   | -45.3     | (50.7) |
|                        | 45+          | 429.  | (100.) | 228.                | (37.)  | 247.  | (36.)  | -181.     | (106.)  | 19.3      | (51.4) |
| TRANS-NONACHLOR        | 0-14         | 96.7  | (31.4) | 47.1                | (5.1)  | 62.5  | (32.1) | -34.2     | (44.9)  | 15.4      | (32.5) |
|                        | 15-44        | 95.3  | (29.6) | 94.4                | (6.7)  | 115.  | (25.)  | 20.0      | (38.8)  | 20.9      | (26.0) |
|                        | 45+          | 139.  | (39.)  | 162.                | (12.)  | 203.  | (22.)  | 63.9      | (45.2)  | 40.9      | (24.8) |
| HEPTACHLOR EPOXIDE     | 0-14         | 43.9  | (13.9) | 26.6                | (6.1)  | 32.6  | (7.6)  | -11.2     | (15.8)  | 5.99      | (9.71) |
|                        | 15-44        | 51.4  | (14.5) | 61.2                | (9.5)  | 51.8  | (6.1)  | 0.373     | (15.72) | -9.38     | (11.3) |
|                        | 45+          | 82.6  | (22.2) | 109.                | (17.)  | 84.7  | (5.5)  | 2.07      | (22.9)  | -24.7     | (18.1) |
| HEXACHLOROBENZENE      | 0-14         | 100   | (63.9) | 28.7                | (6.2)  | 35.0  | (6.6)  | -65.0     | (64.2)  | 6.22      | (9.09) |
|                        | 15-44        | 100.  | (66.)  | 42.8                | (6.9)  | 47.0  | (5.8)  | -53.1     | (66.1)  | 4.17      | (9.00) |
|                        | 45+          | 159.  | (82.)  | 53.5                | (7.8)  | 69.8  | (6.5)  | -89.0     | (82.4)  | 16.3      | (10.1) |
| TETRACHLOROBIPHENYL    | 0-14         | 14.2  | (2.2)  | 14.8                | (4.6)  | 19.4  | (9.0)  | 5.28      | (9.26)  | 4.66      | (10.1) |
|                        | 15-44        | 12.2  | (1.7)  | 46.7                | (8.5)  | 41.8  | (7.4)  | 29.6      | (7.6)   | -4.88     | (11.3) |
|                        | 45+          | 22.0  | (2.7)  | 76.8                | (13.2) | 105.  | (8.)   | 83.2      | (8.7)   | 28.5      | (15.6) |
| PENTACHLOROBIPHENYL    | 0-14         | 40.5  | (7.6)  | 38.8                | (8.5)  | 75.6  | (32.2) | 35.1      | (33.1)  | 36.8      | (33.3) |
|                        | 15-44        | 68.3  | (10.3) | 117.                | (15.)  | 107.  | (25.)  | 39.1      | (27.2)  | -9.84     | (29.3) |
|                        | 45+          | 121.  | (18.)  | 167.                | (20.)  | 218.  | (22.)  | 97.2      | (28.3)  | 51.9      | (29.9) |
| HEXACHLOROBIPHENYL     | 0-14         | 98.8  | (30.9) | 63.8                | (8.7)  | 101.  | (29.)  | 1.89      | (42.5)  | 37.0      | (30.5) |
|                        | 15-44        | 179.  | (34.)  | 215.                | (16.)  | 306.  | (30.)  | 127.      | (45.)   | 90.8      | (34.2) |
|                        | 45+          | 229.  | (39.)  | 272.                | (21.)  | 481.  | (33.)  | 252.      | (51.)   | 209.      | (39.)  |

Table J-2. (cont.)

| Compound                        | Age<br>(yrs) | FY82 |        | FY84 <sup>(2)</sup> |        | FY86  |        | FY86-FY82 |        | FY86-FY84 |         |
|---------------------------------|--------------|------|--------|---------------------|--------|-------|--------|-----------|--------|-----------|---------|
|                                 |              | Mean | (S.E.) | Mean                | (S.E.) | Mean  | (S.E.) | Diff.     | (S.E.) | Diff.     | (S.E.)  |
| HEPTACHLOROBIPHENYL             | 0-14         | 76.7 | (20.0) | 26.2                | (8.8)  | 26.9  | (46.2) | -49.7     | (50.3) | 0.786     | (47.02) |
|                                 | 15-44        | 84.0 | (18.8) | 136.                | (15.)  | 112.  | (36.)  | 27.5      | (40.8) | -24.4     | (39.1)  |
|                                 | 45+          | 91.1 | (18.3) | 192.                | (21.)  | 217.  | (32.)  | 126.      | (37.)  | 24.7      | (38.0)  |
| TOTAL PCBS <sup>(4)</sup>       | 0-14         | 285. | (40.)  | 158.                | (16.)  | 244.  | (69.)  | -41.2     | (79.2) | 86.1      | (70.4)  |
|                                 | 15-44        | 396. | (42.)  | 530.                | (28.)  | 596.  | (57.)  | 199.      | (71.)  | 65.1      | (63.7)  |
|                                 | 45+          | 511. | (47.)  | 731.                | (39.)  | 1100. | (54.)  | 590.      | (72.)  | 370.      | (66.)   |
| CHLOR. LEVEL (%) <sup>(5)</sup> | 0-14         | 60.1 | ( 9.4) | 58.1                | ( 6.7) | 57.7  | (19.2) | -2.4      | (21.3) | -0.4      | (20.3)  |
|                                 | 15-44        | 59.6 | ( 7.1) | 58.2                | ( 3.5) | 58.4  | ( 6.7) | -1.1      | ( 9.8) | 0.2       | ( 7.5)  |
|                                 | 45+          | 58.7 | ( 6.2) | 58.0                | ( 3.4) | 58.3  | ( 3.3) | -0.4      | ( 7.1) | 0.3       | ( 4.8)  |

(1) Estimates originate from fitting the additive model on surrogate-adjusted concentrations.

(2) Error due to MSA sampling is not included in the standard error estimates.

(3) m/z = 316 in FY86 NHATS (see Section 5.1.2).

(4) Sum of concentrations for tetra- to octa-chlorobiphenyl.

(5) Overall chlorination level for PCBs, defined in Section 6.2.1.2.

Table J-3. Comparisons of Predicted Average Concentrations (ng/g) by Race Group for Selected Semivolatiles over the FY82, FY84, and FY86 NHATS<sup>(1)</sup>

| Compound               | Race Group | FY82  |         | FY84 <sup>(2)</sup> |        | FY86  |        | FY86-FY82 |         | FY86-FY84 |        |
|------------------------|------------|-------|---------|---------------------|--------|-------|--------|-----------|---------|-----------|--------|
|                        |            | Mean  | (S.E.)  | Mean                | (S.E.) | Mean  | (S.E.) | Diff.     | (S.E.)  | Diff.     | (S.E.) |
| p,p-DDT                | White      | 150.  | (30.)   | 104.                | (11.)  | 152.  | (23.)  | 2.03      | (37.9)  | 47.7      | (25.1) |
|                        | NW         | 383.  | (163.)  | 220.                | (48.)  | 301.  | (75.)  | -82.0     | (180)   | 81.5      | (88.8) |
| p,p-DDE <sup>(3)</sup> | White      | 1900. | (410.)  | 1200.               | (90.)  | 2250. | (300.) | 343.      | (506.)  | 1050.     | (310.) |
|                        | NW         | 1520. | (1060.) | 904.                | (170.) | 2780. | (690.) | 1260.     | (1270.) | 1880.     | (710.) |
| BETA-BHC               | White      | 347.  | (66.)   | 203.                | (26.)  | 146.  | (30.)  | -202.     | (72.)   | -57.6     | (39.8) |
|                        | NW         | 15.1  | (100)   | 179.                | (53.)  | 212.  | (69.)  | 197.      | (121.)  | 33.6      | (87.1) |
| TRANS-NONACHLOR        | White      | 120.  | (31.)   | 105.                | (6.)   | 130.  | (18.)  | 10.6      | (36.3)  | 25.7      | (19.2) |
|                        | NW         | 56.5  | (43.2)  | 105.                | (14.)  | 131.  | (42.)  | 74.2      | (60.4)  | 26.2      | (44.5) |
| HEPTACHLOR EPOXIDE     | White      | 64.1  | (14.6)  | 68.2                | (8.0)  | 58.8  | (4.8)  | -5.30     | (15.3)  | -9.34     | (9.34) |
|                        | NW         | 35.8  | (18.5)  | 68.7                | (20.9) | 51.6  | (9.7)  | 15.8      | (20.9)  | -17.0     | (23.1) |
| HEXACHLOROBENZENE      | White      | 122.  | (71.)   | 42.8                | (5.6)  | 51.9  | (4.7)  | -69.6     | (70.7)  | 9.16      | (7.31) |
|                        | NW         | 102.  | (60.)   | 43.6                | (10.1) | 48.2  | (10.5) | -53.6     | (60.6)  | 4.56      | (14.6) |
| TETRACHLOROBIPHENYL    | White      | 14.7  | (1.5)   | 49.6                | (6.5)  | 53.0  | (6.0)  | 38.3      | (6.2)   | 3.42      | (8.83) |
|                        | NW         | 20.7  | (4.5)   | 44.8                | (12.3) | 73.0  | (16.0) | 52.3      | (16.6)  | 28.2      | (20.2) |
| PENTACHLOROBIPHENYL    | White      | 75.5  | (8.9)   | 115.                | (12.)  | 133.  | (18.)  | 57.8      | (20.5)  | 18.6      | (21.7) |
|                        | NW         | 92.6  | (28.0)  | 115.                | (20.)  | 141.  | (42.)  | 48.5      | (50.7)  | 25.8      | (47.0) |
| HEXACHLOROBIPHENYL     | White      | 150.  | (30.)   | 190.                | (12.)  | 289.  | (23.)  | 139.      | (38.)   | 99.2      | (25.7) |
|                        | NW         | 307.  | (101.)  | 242.                | (32.)  | 435.  | (65.)  | 129.      | (120.)  | 193.      | (73.)  |
| HEPTACHLOROBIPHENYL    | White      | 67.9  | (17.4)  | 119.                | (11.)  | 111.  | (26.)  | 42.9      | (31.6)  | -7.85     | (28.6) |
|                        | NW         | 167.  | (44.)   | 177.                | (33.)  | 195.  | (61.)  | 28.4      | (75.0)  | 17.9      | (69.1) |

Table J-3. (cont.)

| Compound                        | Race Group | <u>FY82</u> | <u>FY84<sup>(2)</sup></u> | <u>FY86</u> | <u>FY86-FY82</u> | <u>FY86-FY84</u> |
|---------------------------------|------------|-------------|---------------------------|-------------|------------------|------------------|
|                                 |            | Mean (S.E.) | Mean (S.E.)               | Mean (S.E.) | Diff. (S.E.)     | Diff. (S.E.)     |
| TOTAL PCBS <sup>(4)</sup>       | White      | 336. (37.)  | 487. (21.)                | 623. (42.)  | 287. (56.)       | 137. (47.)       |
|                                 | NW         | 753. (122)  | 614. (53.)                | 913. (105)  | 160. (161)       | 298. (117)       |
| CHLOR. LEVEL (%) <sup>(5)</sup> | White      | 58.8 (7.4)  | 57.9 (2.8)                | 58.2 (4.6)  | -0.6 (8.7)       | 0.2 (5.4)        |
|                                 | NW         | 60.5 (11.0) | 58.8 (5.8)                | 58.7 (7.9)  | -1.8 (13.5)      | -0.1 (9.8)       |

(1) Estimates originate from fitting the additive model on surrogate-adjusted concentrations.

(2) Error due to MSA sampling is not included in the standard error estimates.

(3) m/z = 316 in FY86 NHATS (see Section 5.1.2).

(4) Sum of concentrations for tetra- to octa-chlorobiphenyl.

(5) Overall chlorination level for PCBs, defined in Section 6.2.1.2.

Table J-4. Comparisons of Predicted Average Concentrations (ng/g) by Sex Group for Selected Semivolatiles over the FY82, FY84, and FY86 NHATS<sup>(1)</sup>

| Compound               | Sex Group | FY82  |        | FY84 <sup>(2)</sup> |        | FY86  |        | FY86-FY82 |         | FY86-FY84 |         |
|------------------------|-----------|-------|--------|---------------------|--------|-------|--------|-----------|---------|-----------|---------|
|                        |           | Mean  | (S.E.) | Mean                | (S.E.) | Mean  | (S.E.) | Diff.     | (S.E.)  | Diff.     | (S.E.)  |
| p,p-DDT                | Male      | 184.  | (44.)  | 100.                | (16.)  | 172.  | (28.)  | -12.1     | (52.1)  | 72.0      | (31.9)  |
|                        | Female    | 194.  | (55.)  | 146.                | (19.)  | 181.  | (28.)  | -12.2     | (61.6)  | 35.9      | (33.5)  |
| p,p-DDE <sup>(3)</sup> | Male      | 1830. | (400.) | 1270.               | (150.) | 2240. | (370.) | 404.      | (541.)  | 968.      | (399.)  |
|                        | Female    | 1850. | (430.) | 1030.               | (140.) | 2430. | (360.) | 586.      | (561.)  | 1400.     | (380.)  |
| BETA-BHC               | Male      | 287.  | (76.)  | 185.                | (34.)  | 133.  | (40.)  | -154.     | (86.)   | -51.8     | (52.7)  |
|                        | Female    | 295.  | (93.)  | 212.                | (37.)  | 179.  | (36.)  | -116.     | (100.)  | -33.2     | (51.5)  |
| TRANS-NONACHLOR        | Male      | 116.  | (33.)  | 121.                | (9.)   | 160.  | (25.)  | 44.4      | (40.9)  | 39.3      | (26.4)  |
|                        | Female    | 103.  | (37.)  | 88.9                | (7.8)  | 102.  | (22.)  | -0.552    | (43.47) | 13.1      | (23.5)  |
| HEPTACHLOR EPOXIDE     | Male      | 67.0  | (15.8) | 75.9                | (13.5) | 59.9  | (6.0)  | -7.11     | (16.9)  | -16.1     | (14.8)  |
|                        | Female    | 52.2  | (16.9) | 61.0                | (12.0) | 55.5  | (5.5)  | 3.35      | (17.7)  | -5.49     | (13.1)  |
| HEXACHLOROBENZENE      | Male      | 116.  | (67.)  | 42.9                | (7.5)  | 52.3  | (6.1)  | -63.8     | (67.7)  | 9.42      | (9.67)  |
|                        | Female    | 120.  | (70.)  | 43.0                | (7.4)  | 50.4  | (5.6)  | -69.8     | (70.3)  | 7.40      | (9.31)  |
| TETRACHLOROBIPHENYL    | Male      | 12.4  | (2.1)  | 39.8                | (9.4)  | 40.7  | (7.6)  | 28.3      | (7.8)   | 0.887     | (12.10) |
|                        | Female    | 18.8  | (2.8)  | 57.3                | (11.6) | 71.2  | (7.4)  | 52.4      | (7.9)   | 13.9      | (13.7)  |
| PENTACHLOROBIPHENYL    | Male      | 81.9  | (11.0) | 110.                | (17.)  | 115.  | (25.)  | 33.6      | (27.1)  | 4.95      | (30.1)  |
|                        | Female    | 75.0  | (12.8) | 119.                | (18.)  | 153.  | (22.)  | 77.6      | (25.6)  | 33.8      | (28.4)  |
| HEXACHLOROBIPHENYL     | Male      | 197.  | (38.)  | 225.                | (21.)  | 294.  | (29.)  | 97.6      | (47.8)  | 68.9      | (36.0)  |
|                        | Female    | 157.  | (41.)  | 173.                | (18.)  | 332.  | (28.)  | 175.      | (49.)   | 159.      | (33.)   |
| HEPTACHLOROBIPHENYL    | Male      | 124.  | (22.)  | 163.                | (20.)  | 148.  | (35.)  | 23.9      | (41.5)  | -15.3     | (40.9)  |
|                        | Female    | 47.4  | (20.8) | 95.9                | (15.1) | 104.  | (32.)  | 56.1      | (38.0)  | 7.64      | (35.2)  |

Table J-4. (cont.)

| Compound                        | Sex<br>Group | <u>FY82</u> | <u>FY84<sup>(2)</sup></u> | <u>FY86</u> | <u>FY86-FY82</u> | <u>FY86-FY84</u> |
|---------------------------------|--------------|-------------|---------------------------|-------------|------------------|------------------|
|                                 |              | Mean (S.E.) | Mean (S.E.)               | Mean (S.E.) | Diff. (S.E.)     | Diff. (S.E.)     |
| TOTAL PCBS <sup>(4)</sup>       | Male         | 469. (46.)  | 557. (35.)                | 651. (56.)  | 181. (73.)       | 93.5 (66.2)      |
|                                 | Female       | 347. (49.)  | 462. (32.)                | 692. (51.)  | 345. (71.)       | 231. (60.)       |
| CHLOR. LEVEL (%) <sup>(5)</sup> | Male         | 59.7 ( 6.7) | 58.6 ( 4.2)               | 58.9 ( 5.9) | -0.8 ( 8.9)      | 0.3 ( 7.3)       |
|                                 | Female       | 58.9 ( 9.5) | 57.5 ( 4.4)               | 57.8 ( 5.0) | -1.1 (10.8)      | 0.3 ( 6.7)       |

(1) Estimates originate from fitting the additive model on surrogate-adjusted concentrations.

(2) Error due to MSA sampling is not included in the standard error estimates.

(3) m/z = 316 in FY86 NHATS (see Section 5.1.2).

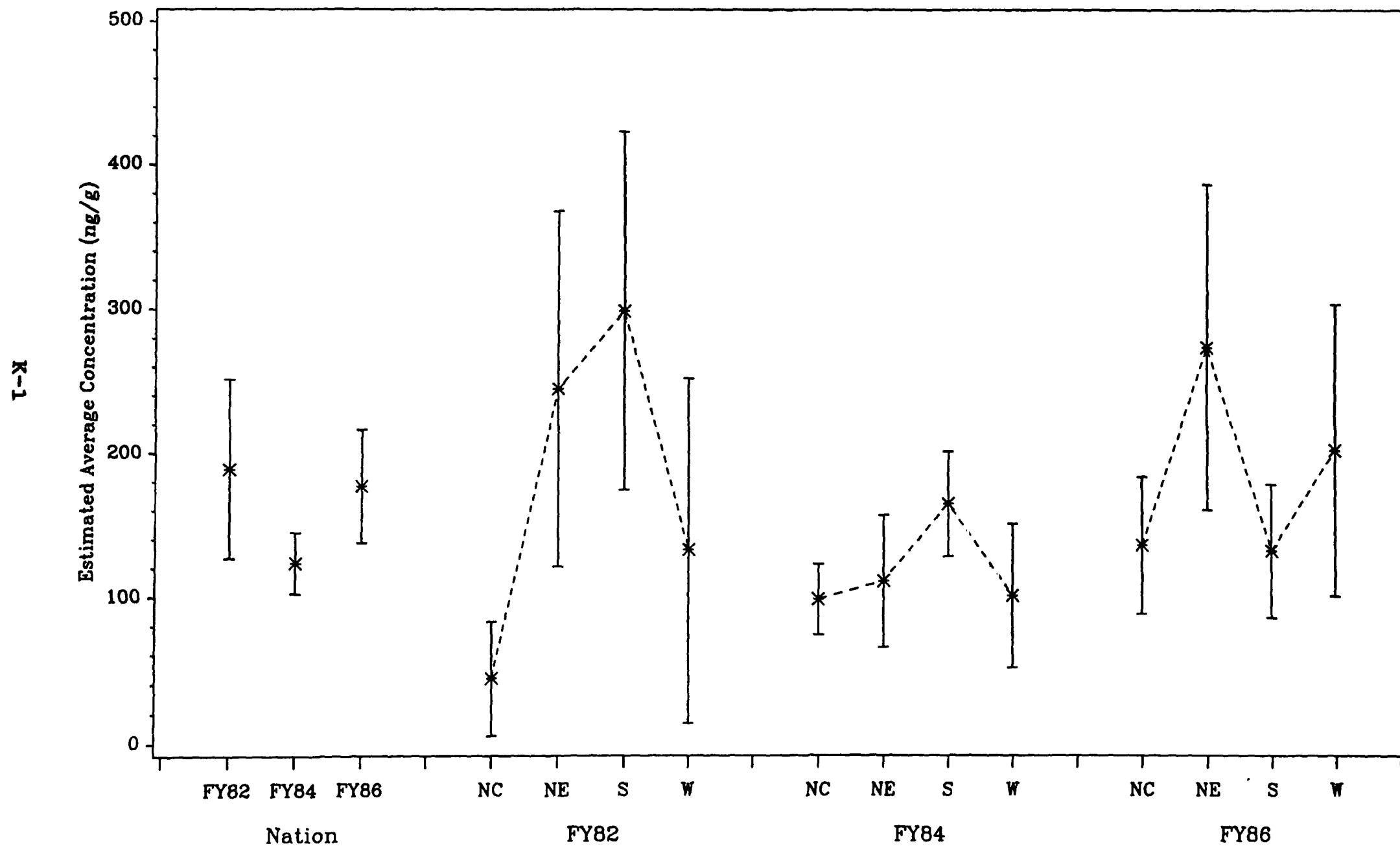
(4) Sum of concentrations for tetra- to octa-chlorobiphenyl.

(5) Overall chlorination level for PCBs, defined in Section 6.2.1.2.

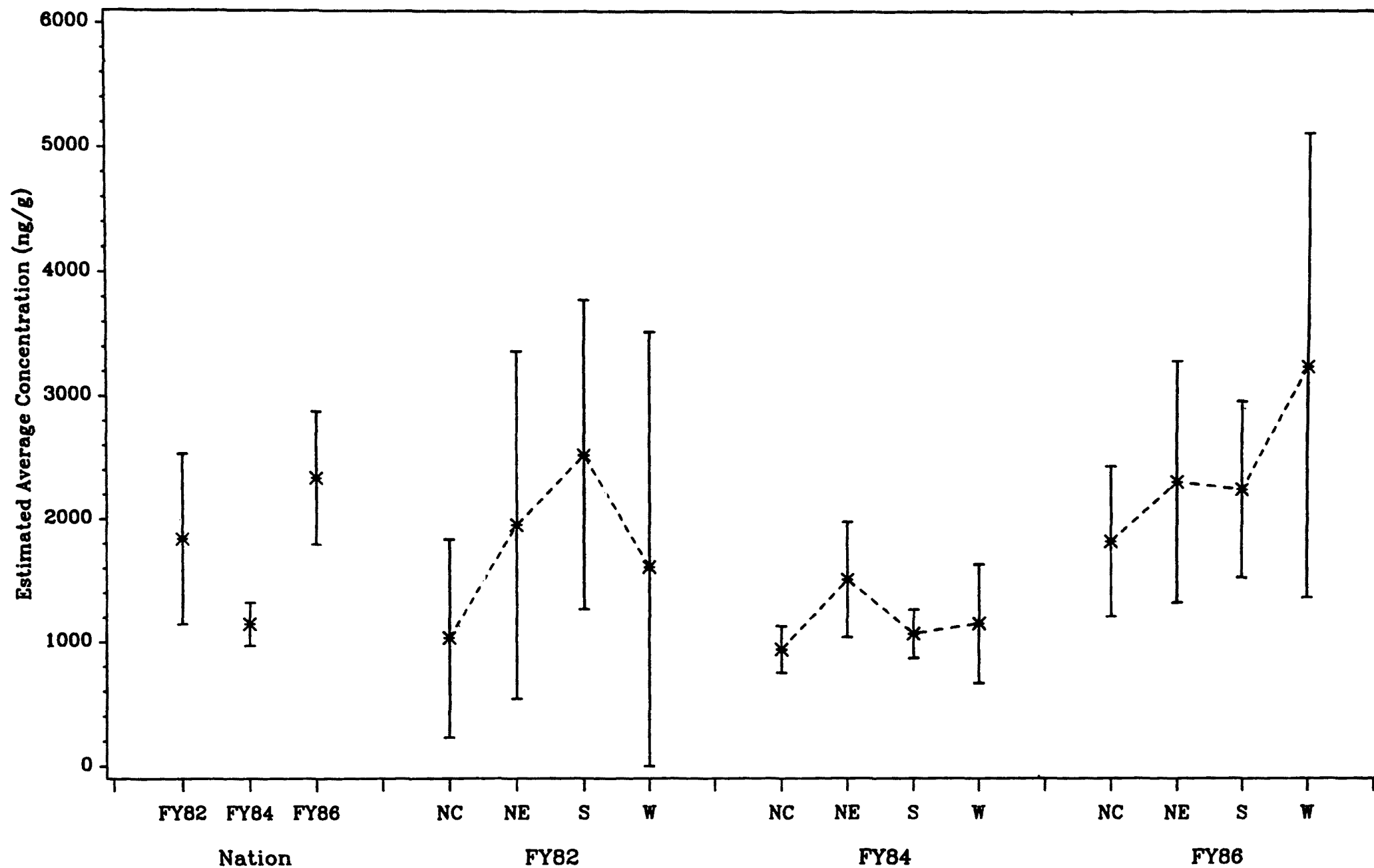
## **APPENDIX K**

**Plots of Estimates Average Concentrations (ng/g)  
by Census Region and by Age Group,  
Plus and Minus Two Standard Errors,  
Based on the Additive Model  
for the FY82, FY84, and FY86 NHATS**

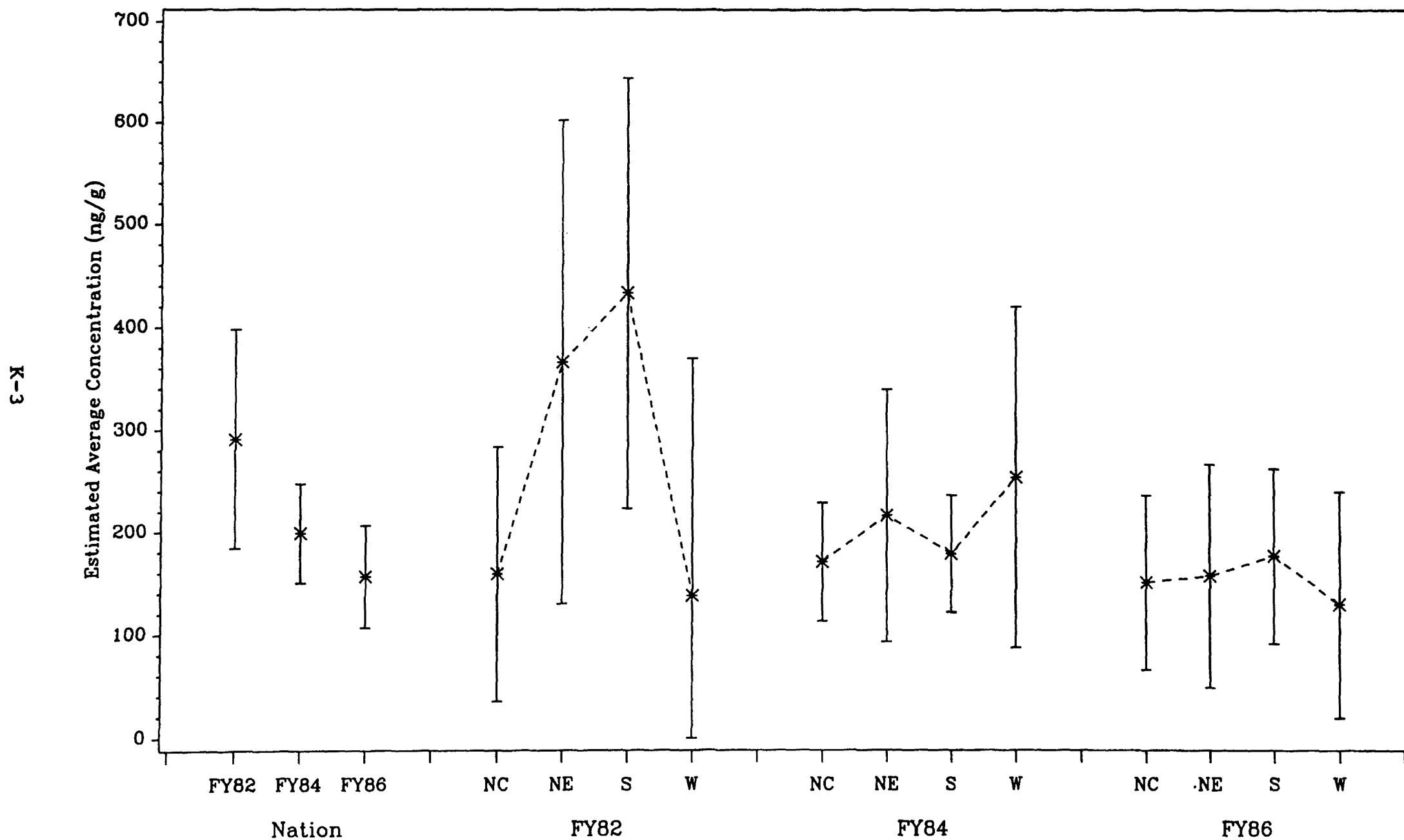
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=p,p-DDT



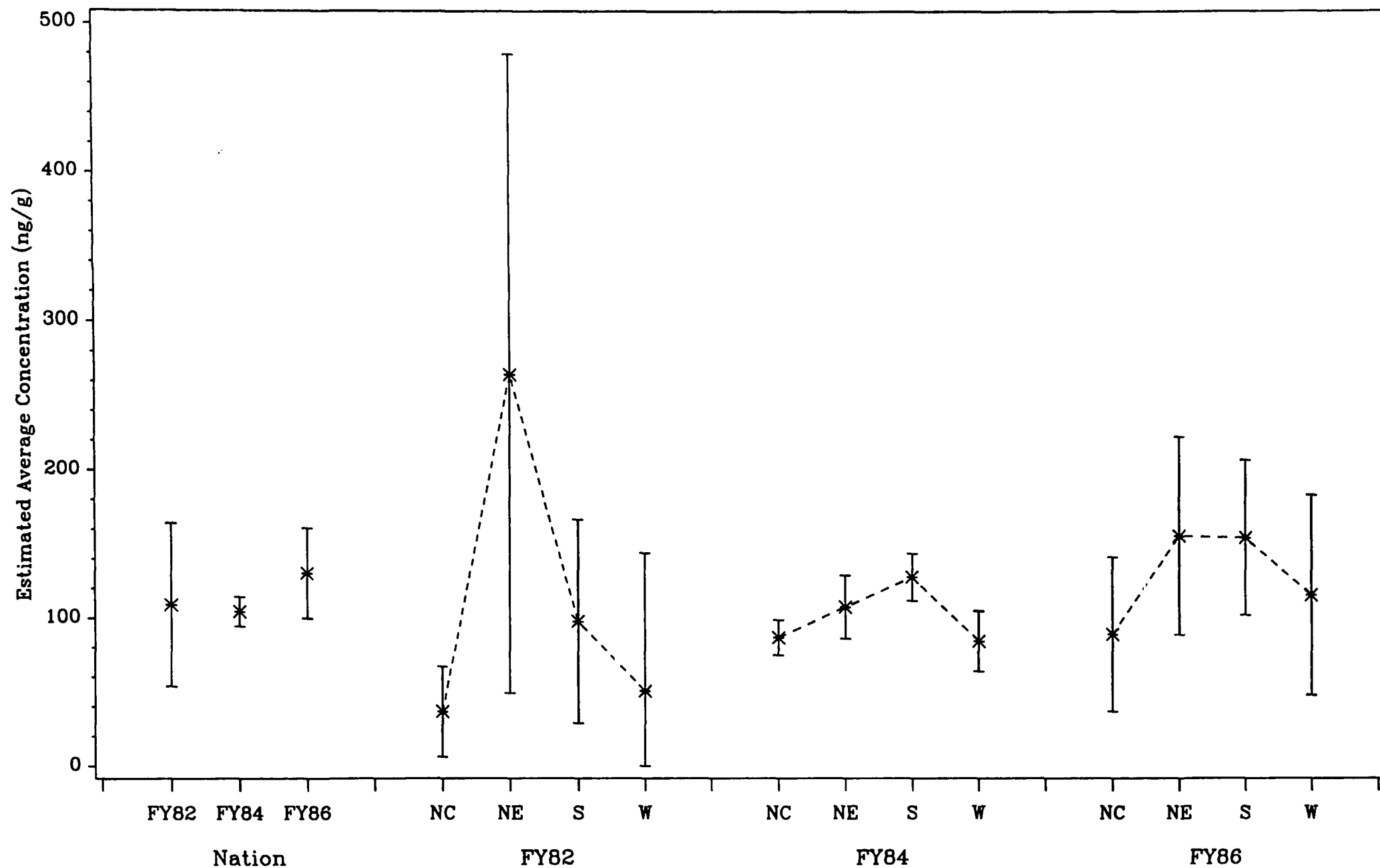
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=p,p-DDE



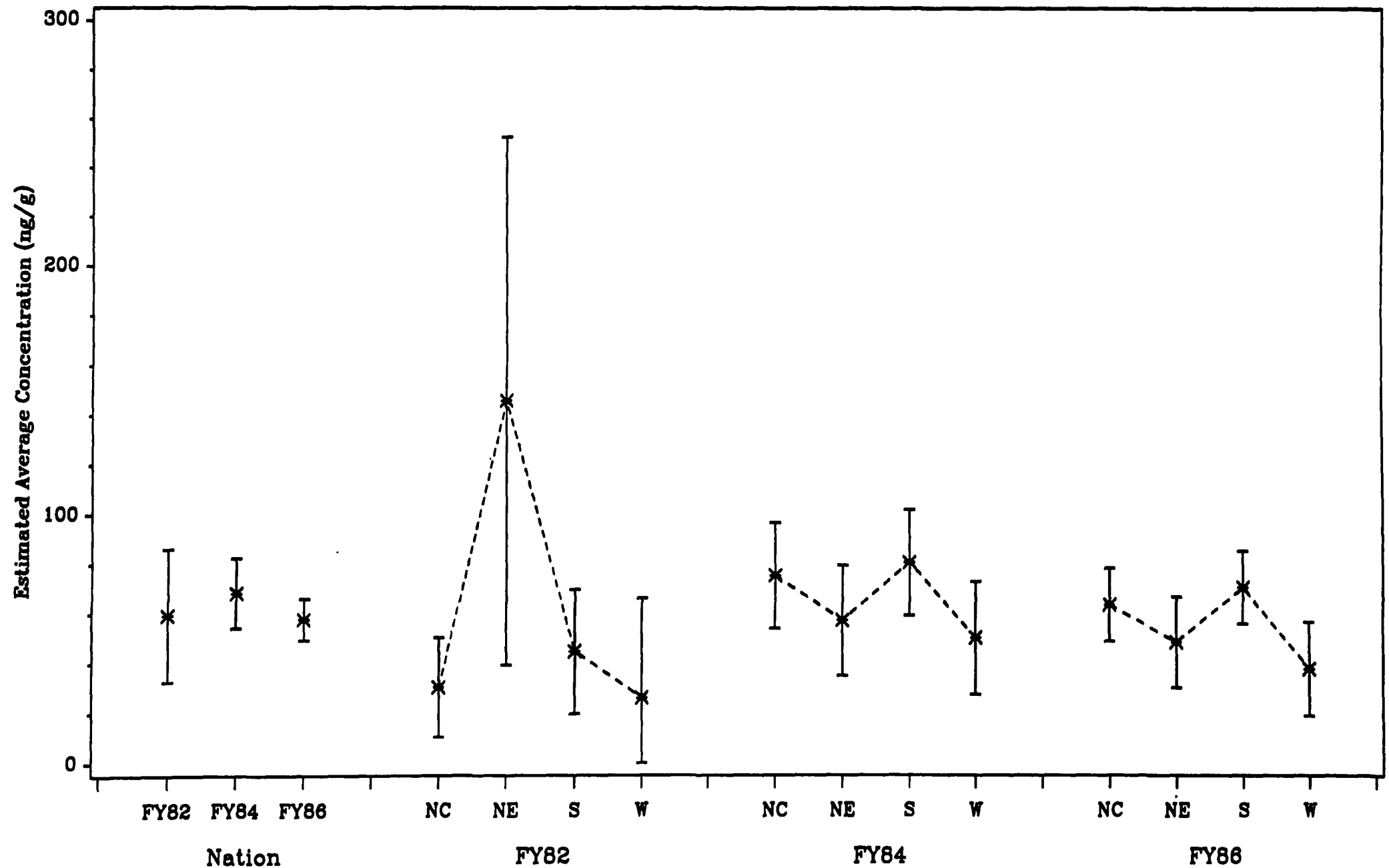
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Beta-BHC



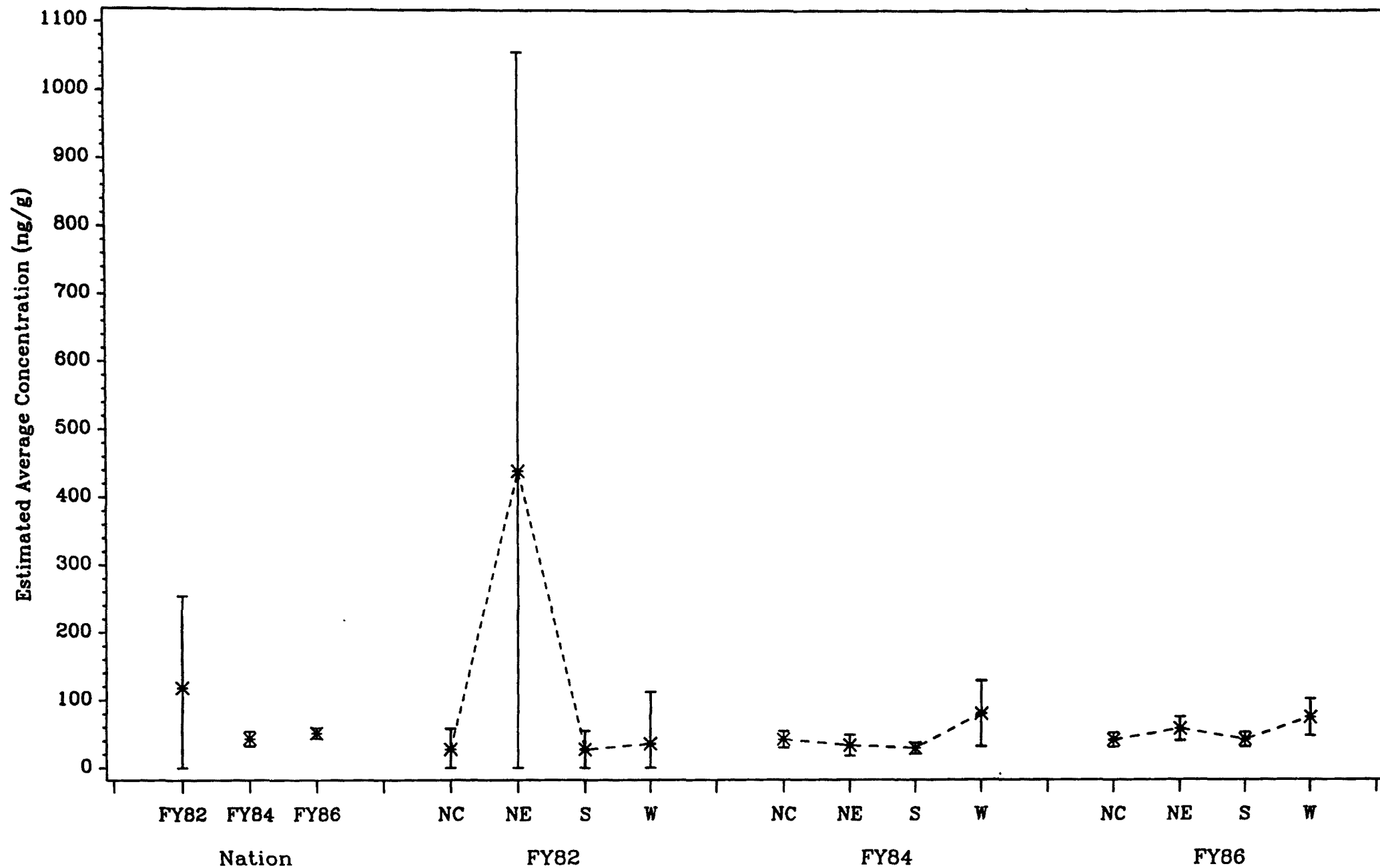
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Trans-nonachlor



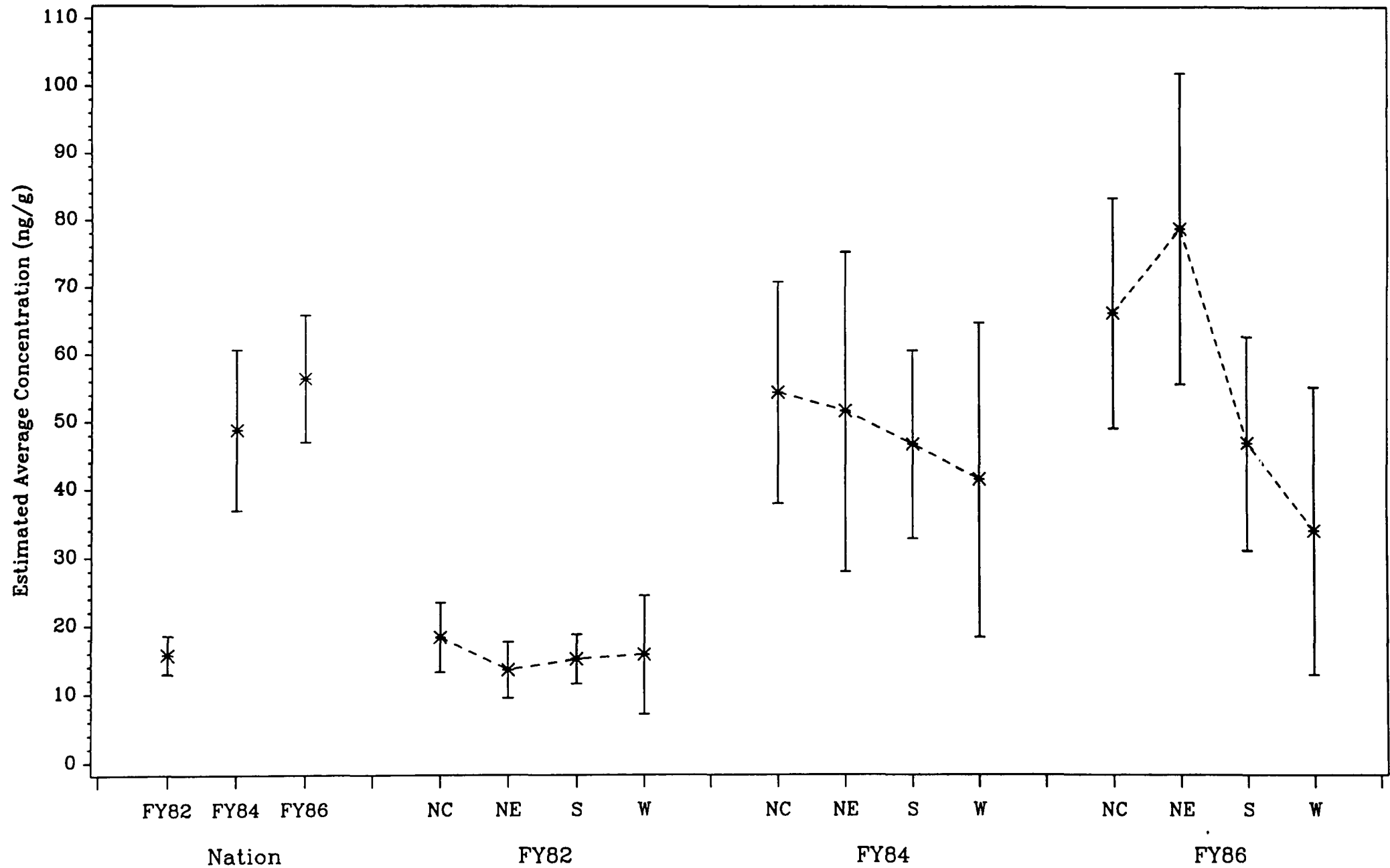
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Heptachlor epoxide



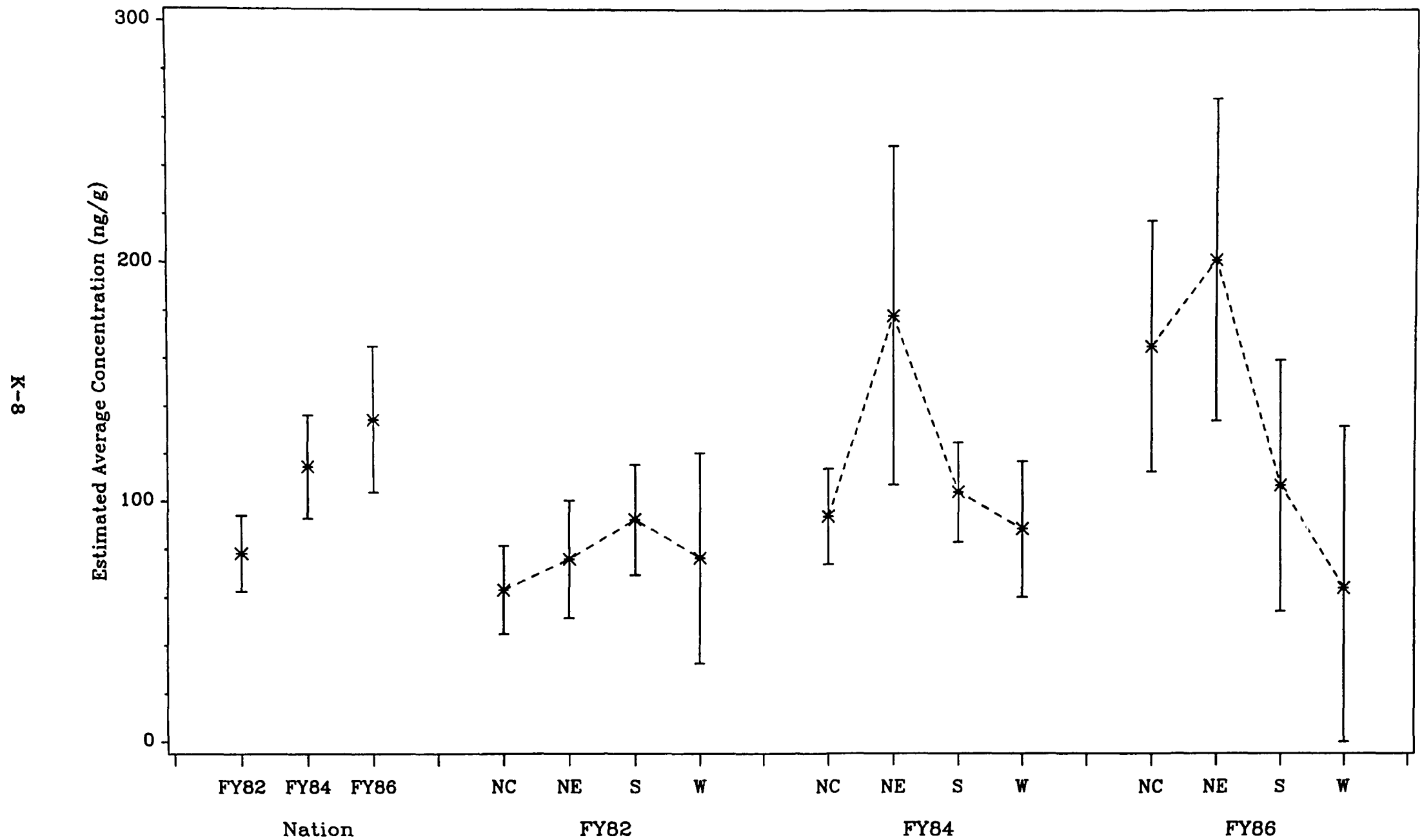
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Hexachlorobenzene



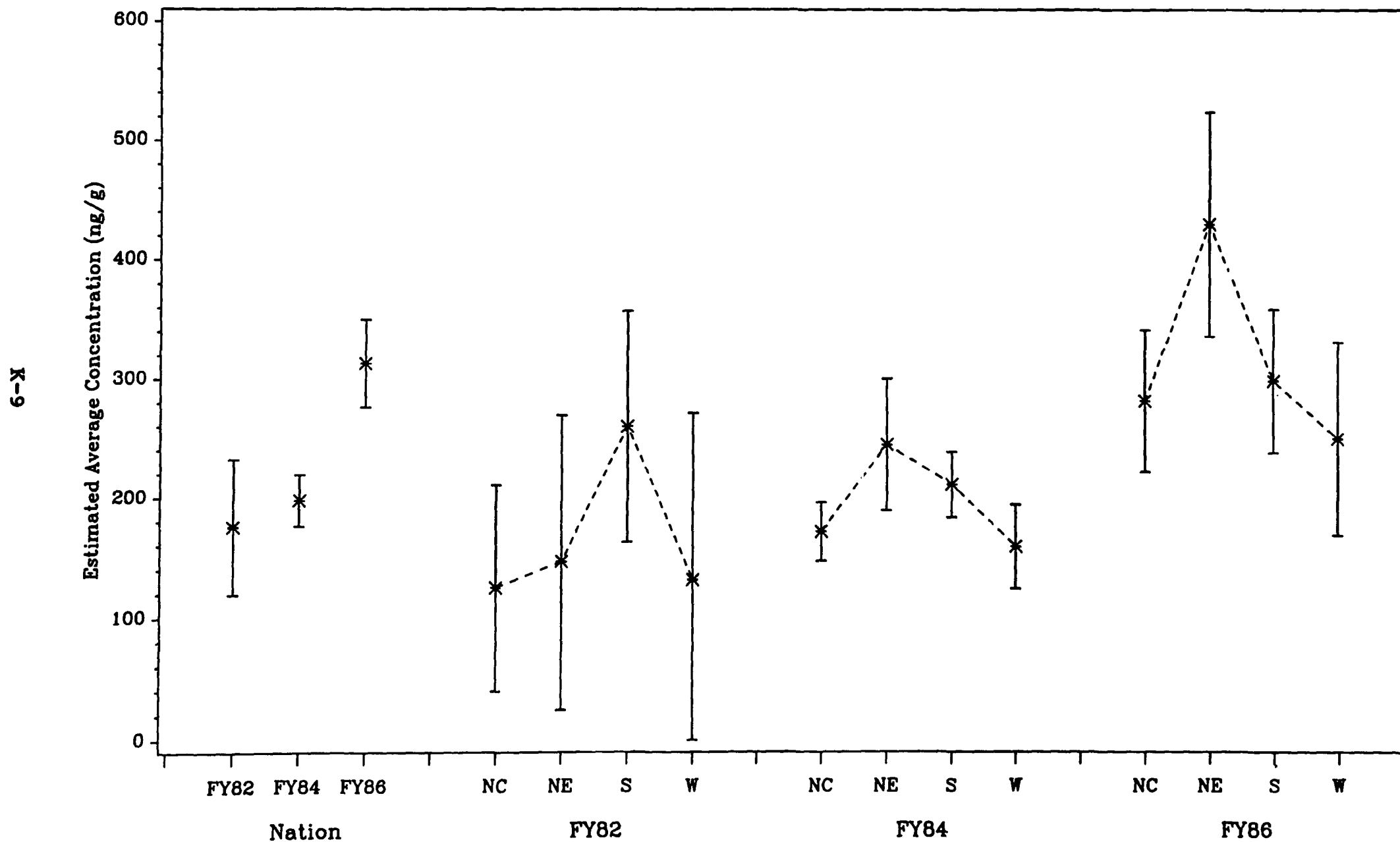
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Tetrachlorobiphenyl



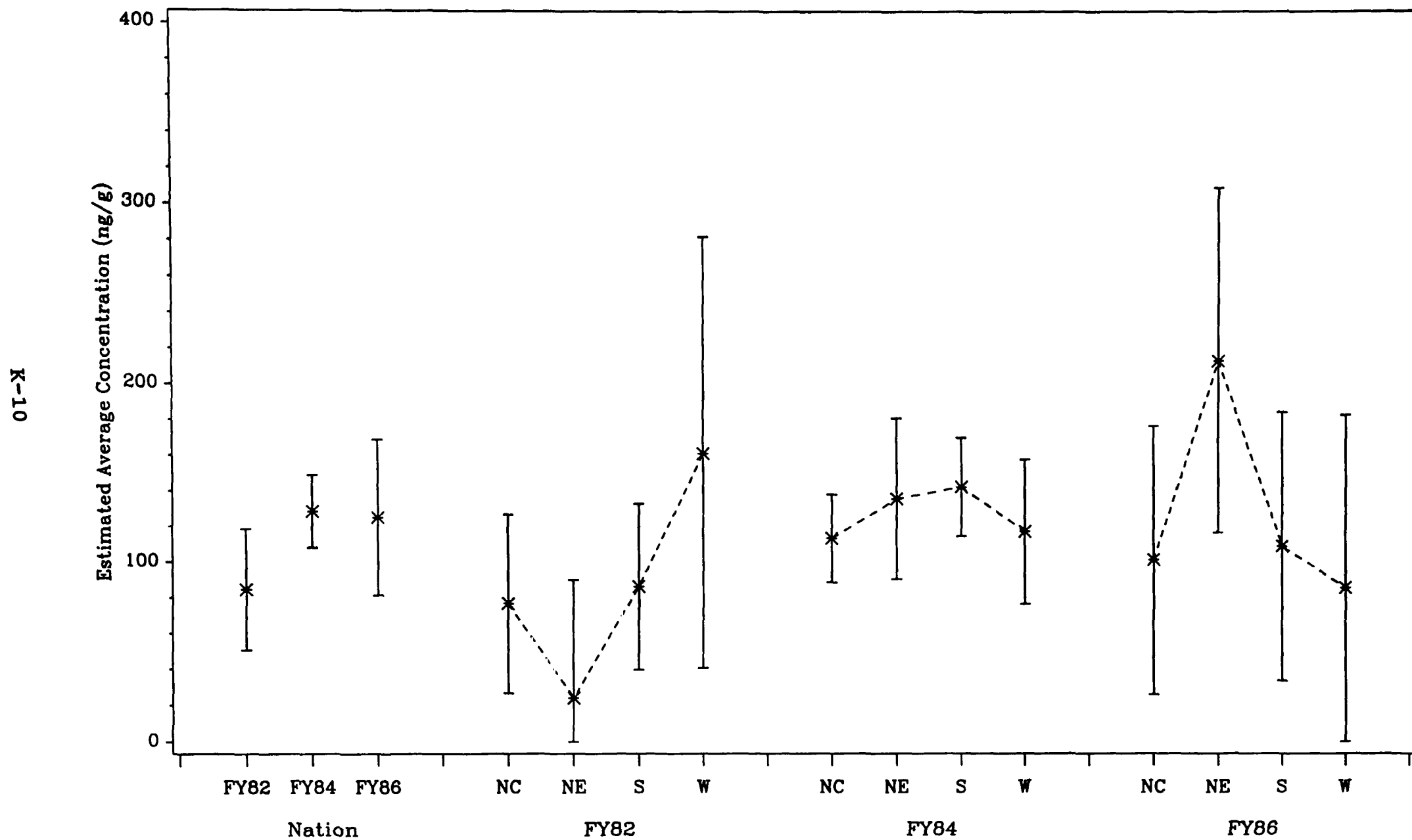
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Pentachlorobiphenyl



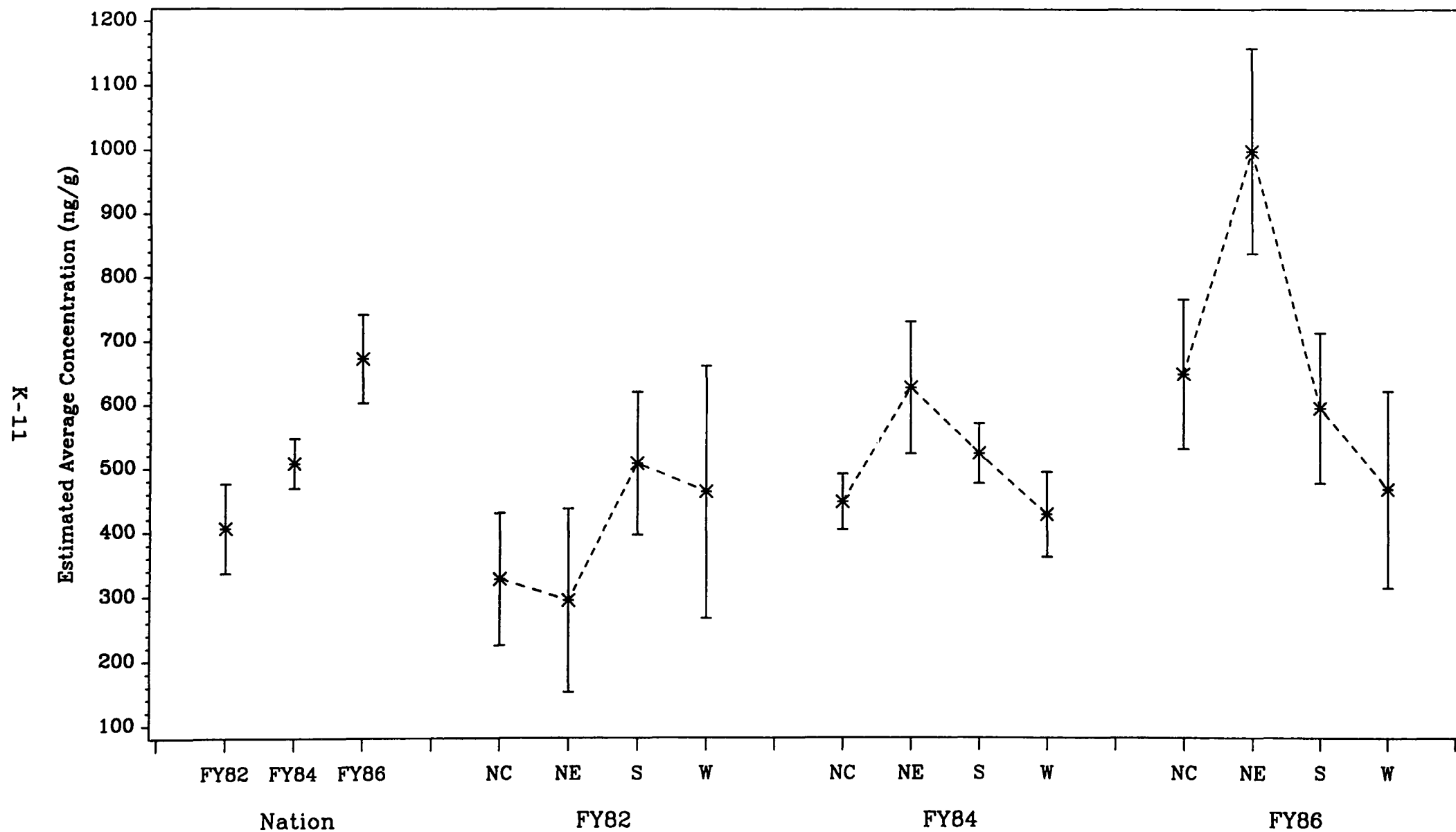
Plot of Estimated Average Concentrations (ng/g) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Hexachlorobiphenyl



Plot of Estimated Average Concentrations (ng/g) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Heptachlorobiphenyl

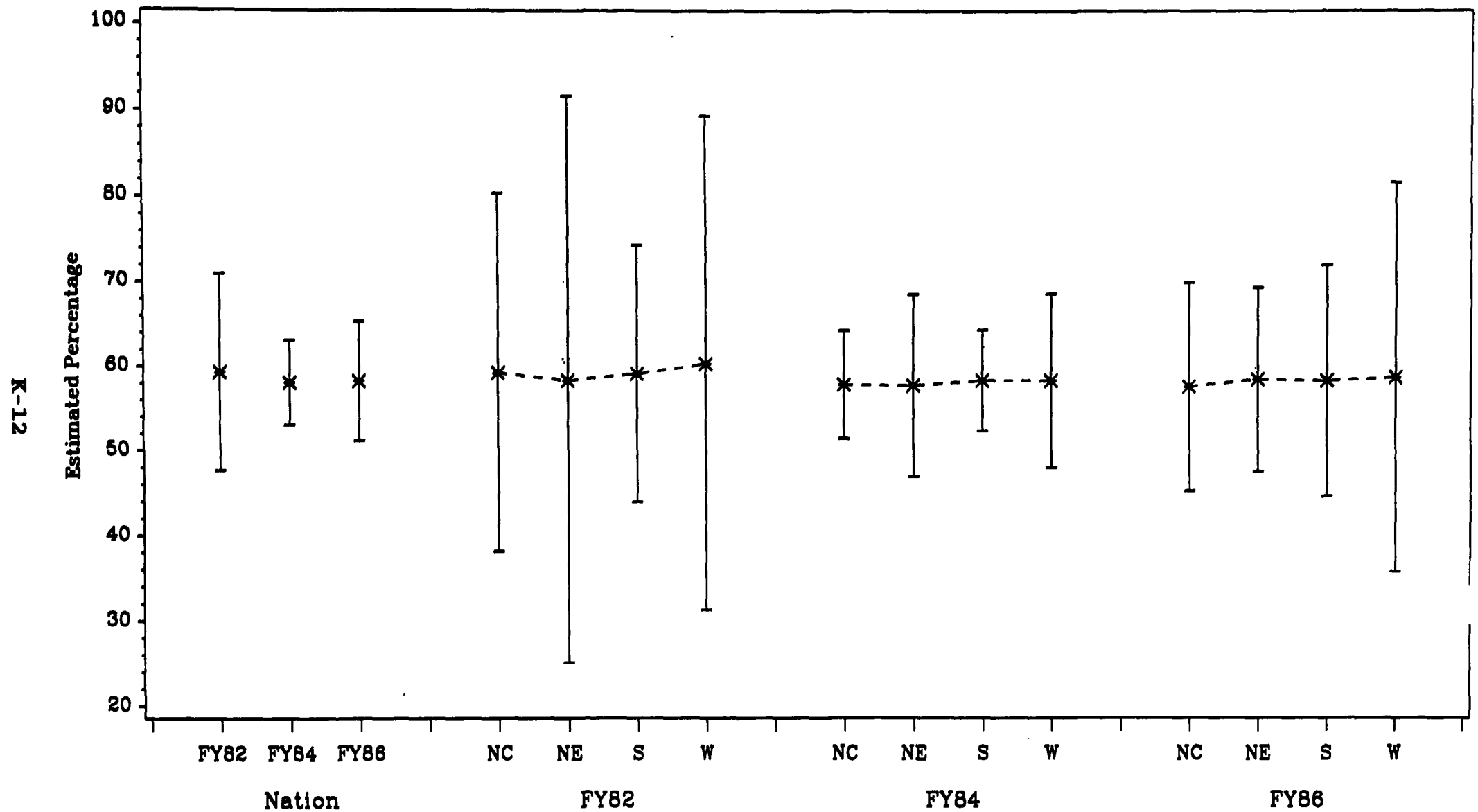


Plot of Estimated Average Concentrations (ng/g) by Census Region,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Total PCBs



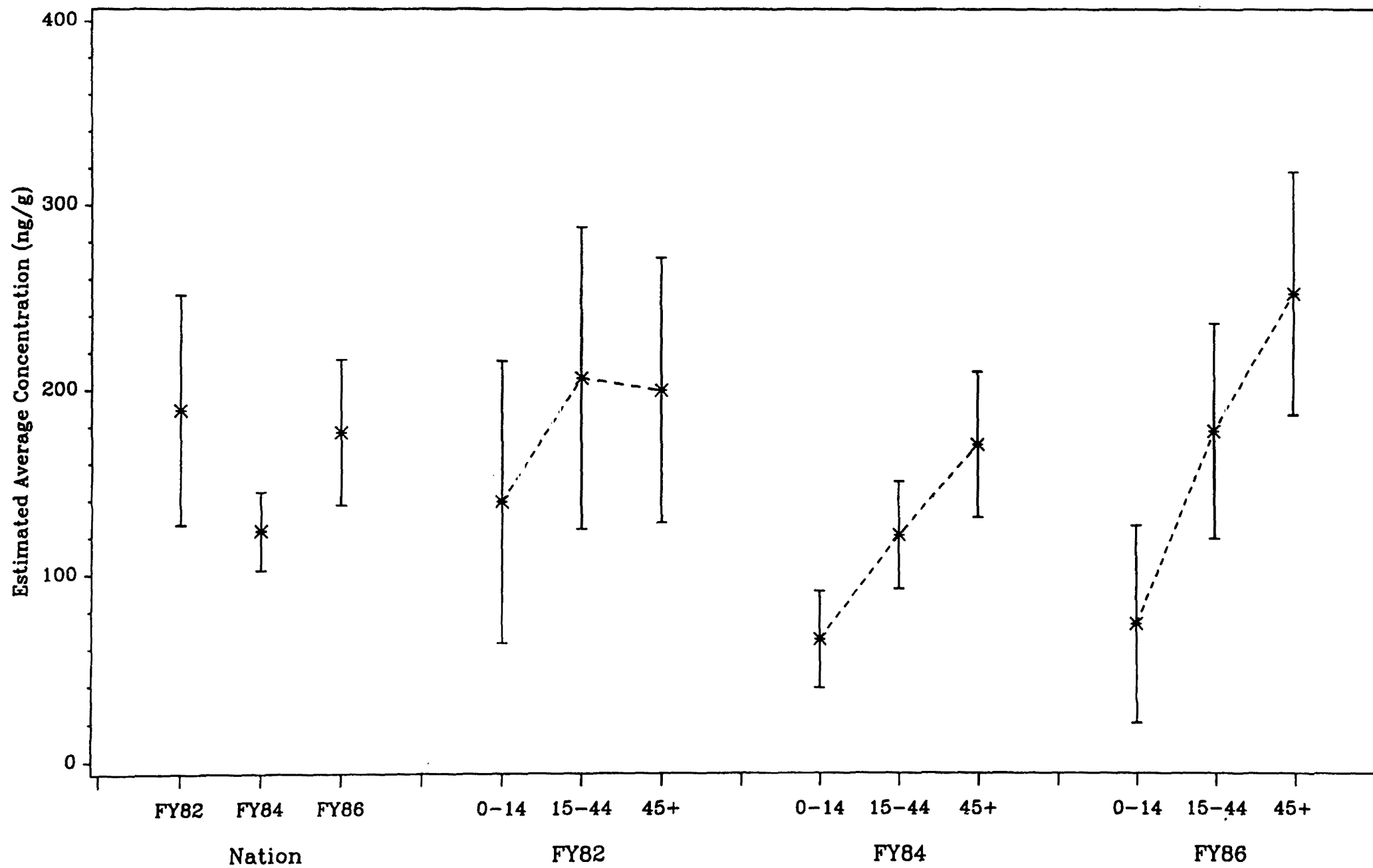
Total PCBs are the sum of estimated concentrations for Tetra- through Octa-CB.

Plot of Estimated Level of Chlorination (%) by Census Region,  
Plus and Minus 2 Standard Errors, Based on the Additive Model

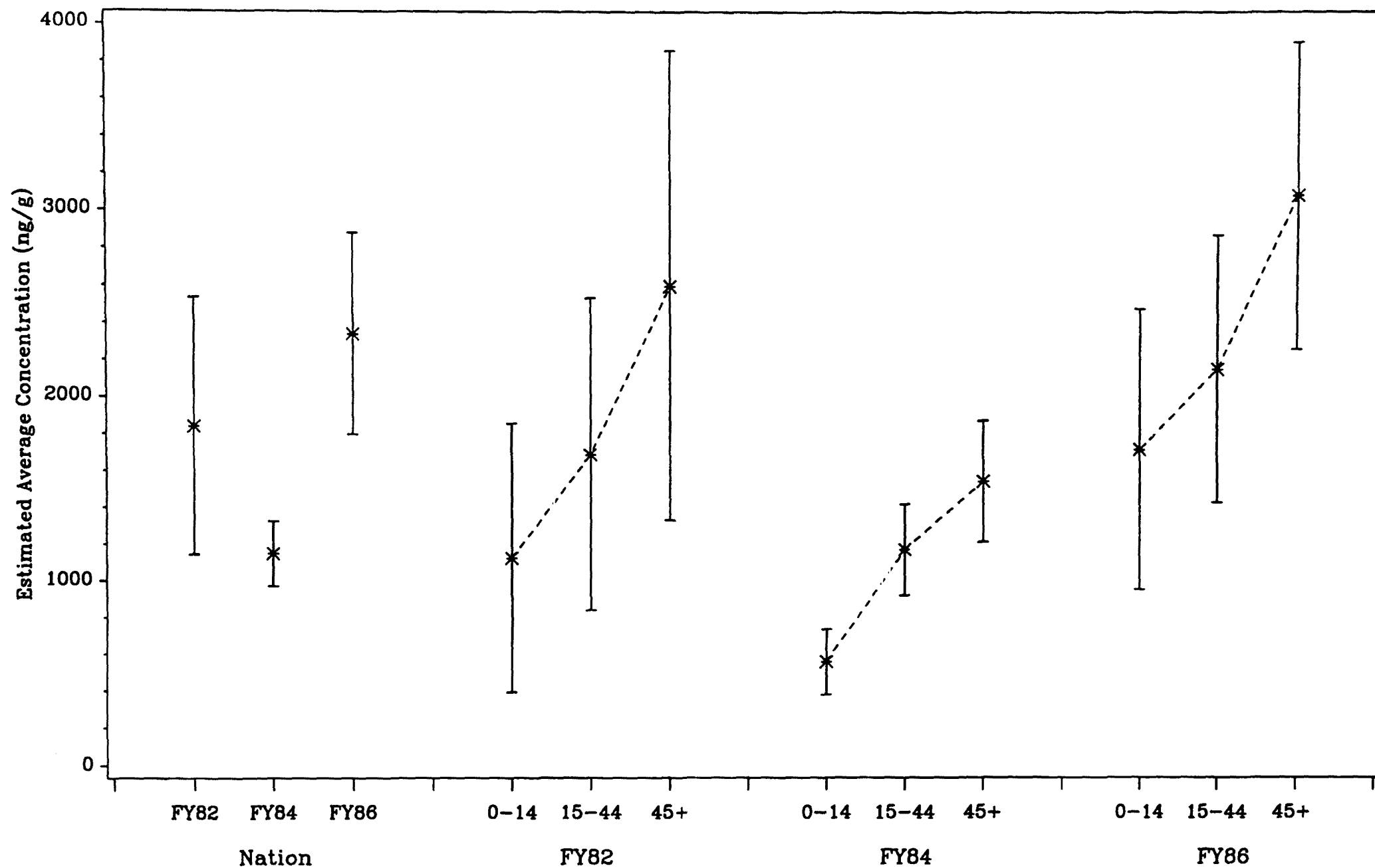


Level of Chlorination is the sum of the percentage of Total PCBs for each homolog (Tetra- through Octa-CB), weighted by each homolog's chlorine mass fraction.

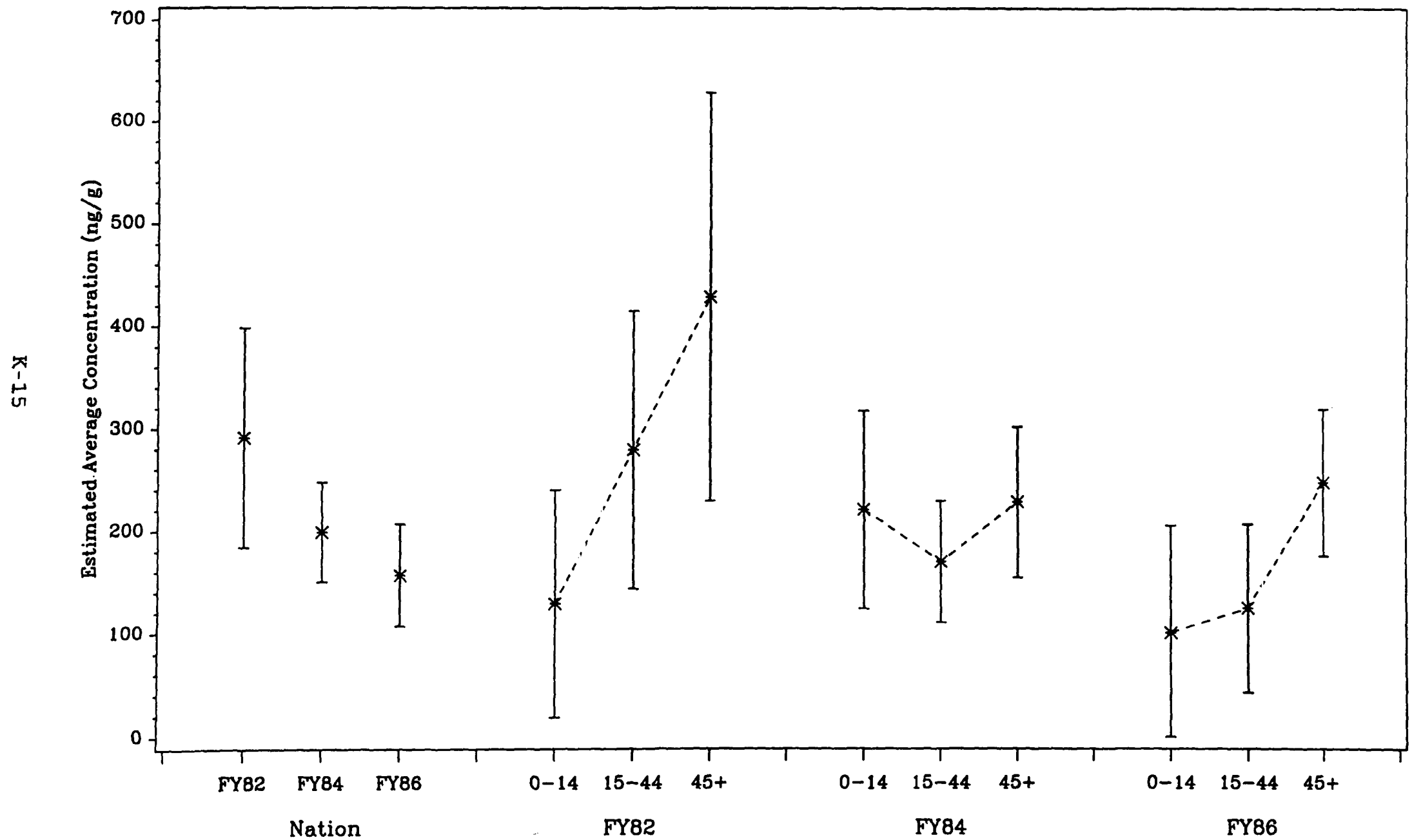
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=p,p-DDT



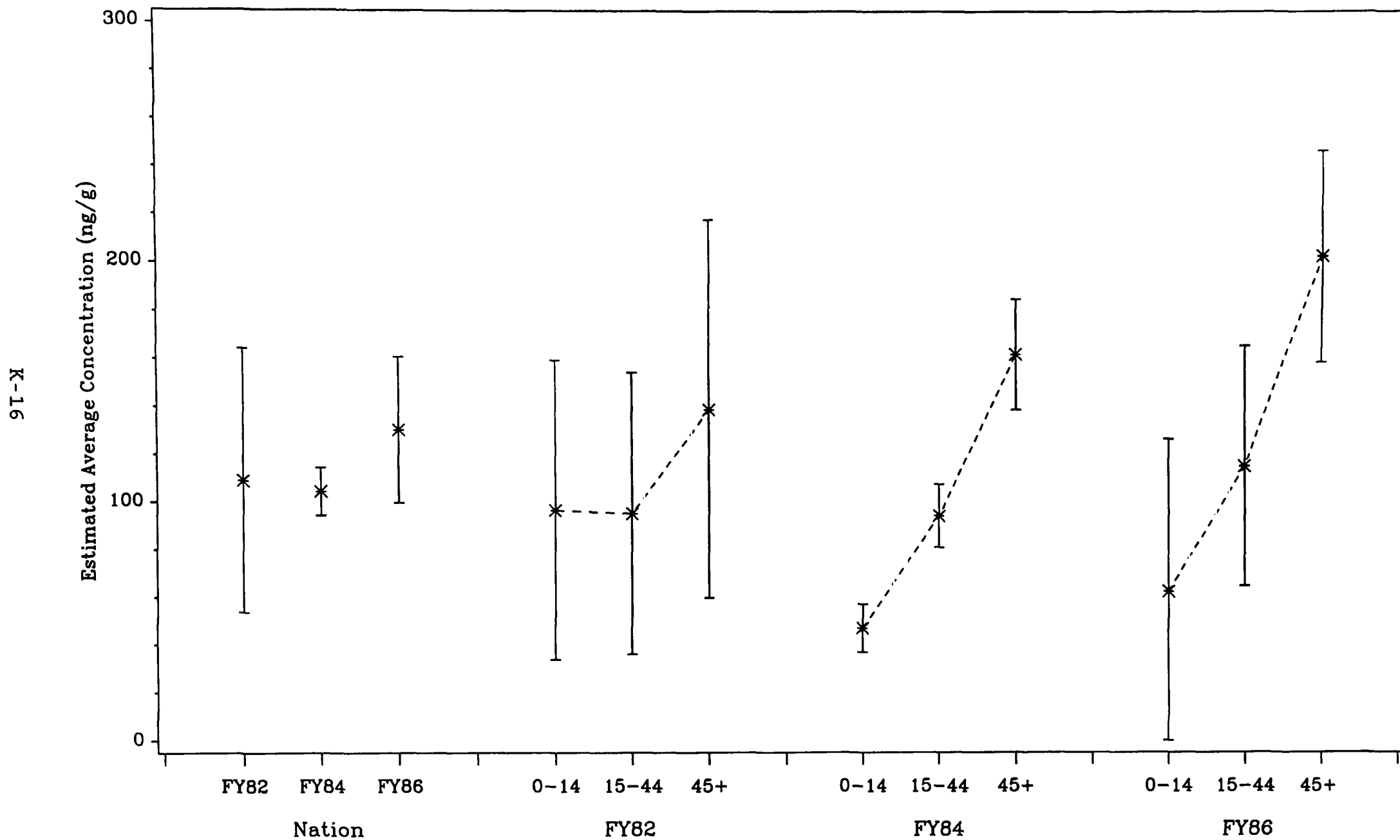
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=p,p-DDE



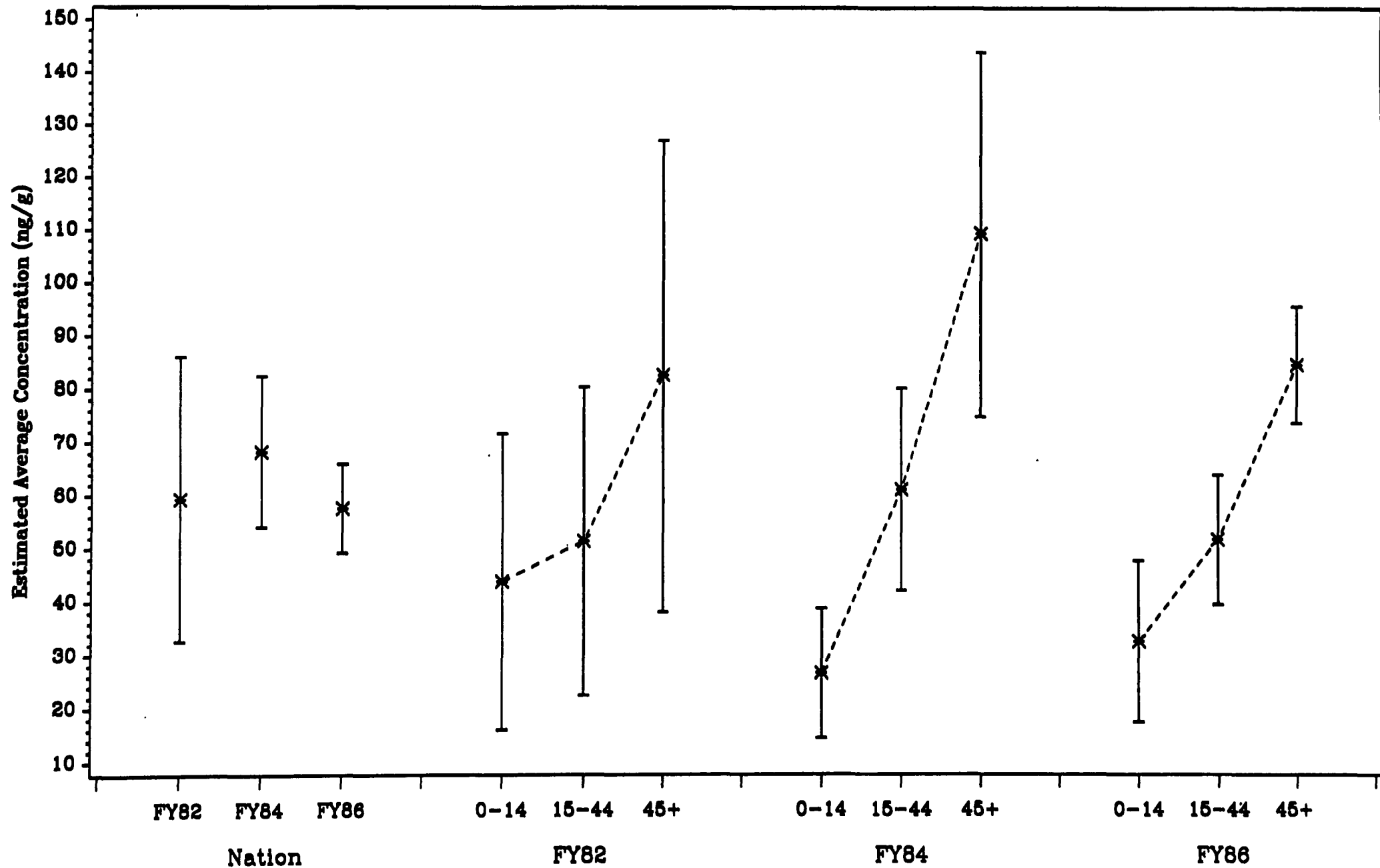
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Beta-BHC



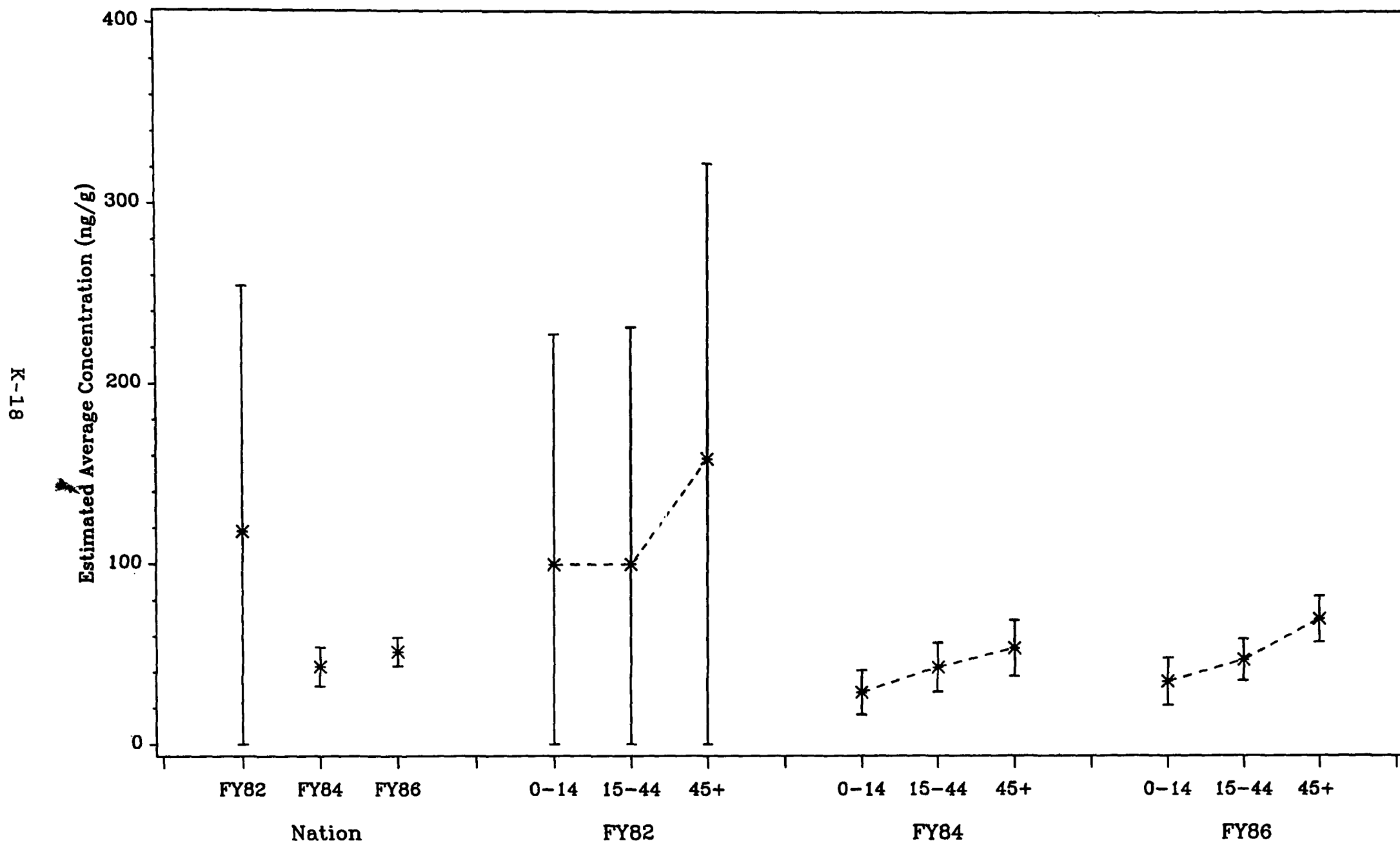
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Trans-nonachlor



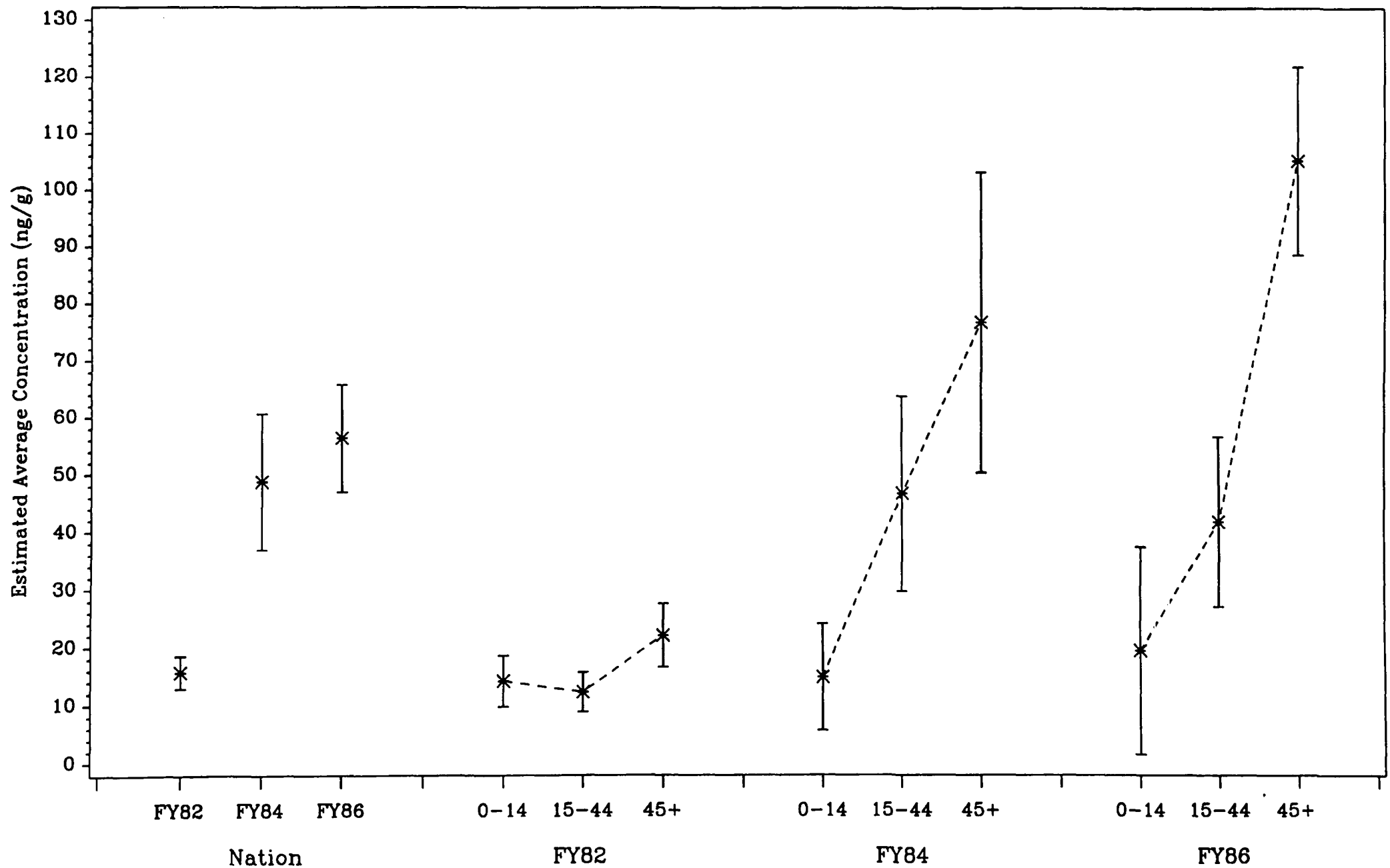
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Heptachlor epoxide



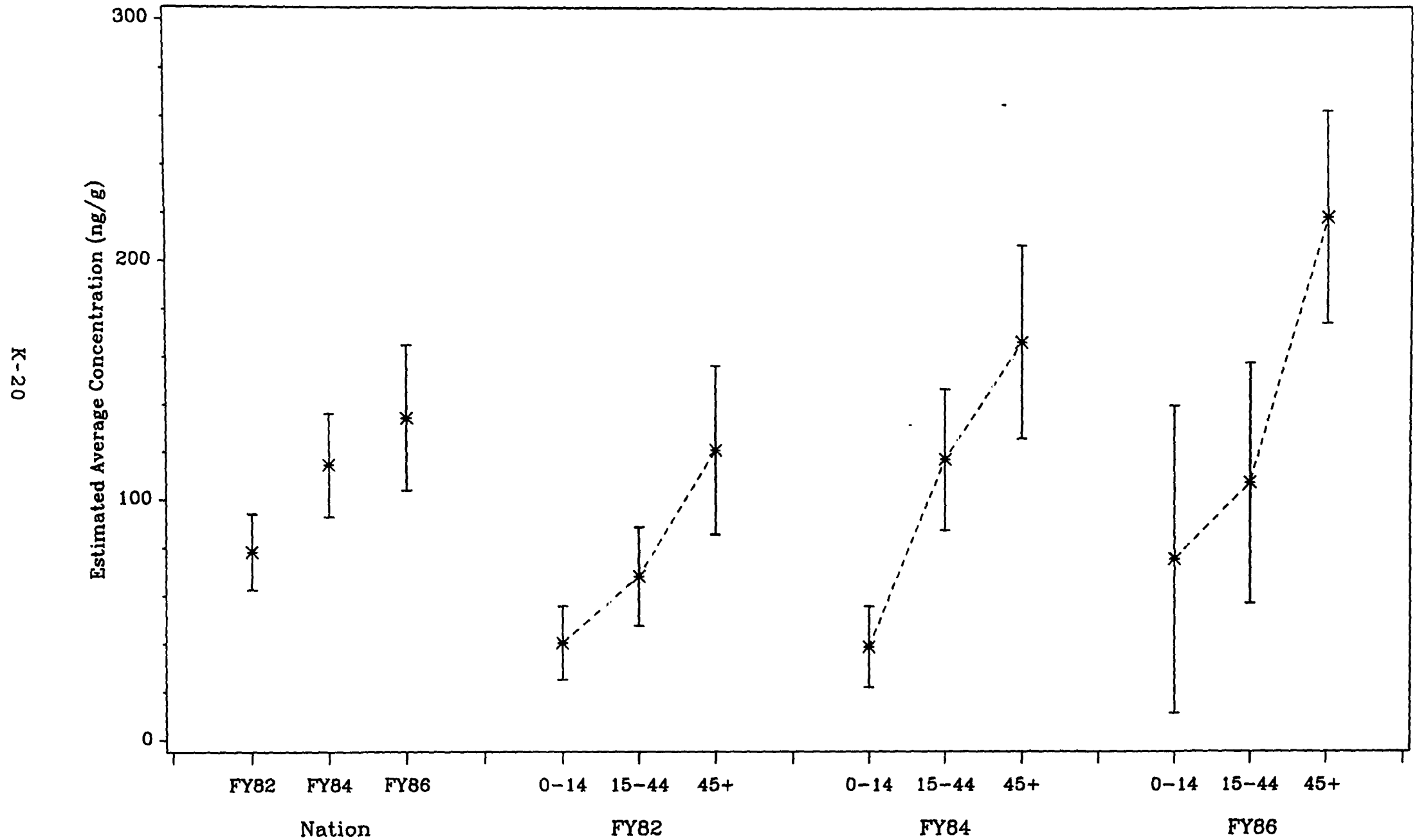
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
 Plus and Minus 2 Standard Errors, Based on the Additive Model  
 Compound=Hexachlorobenzene



Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Tetrachlorobiphenyl

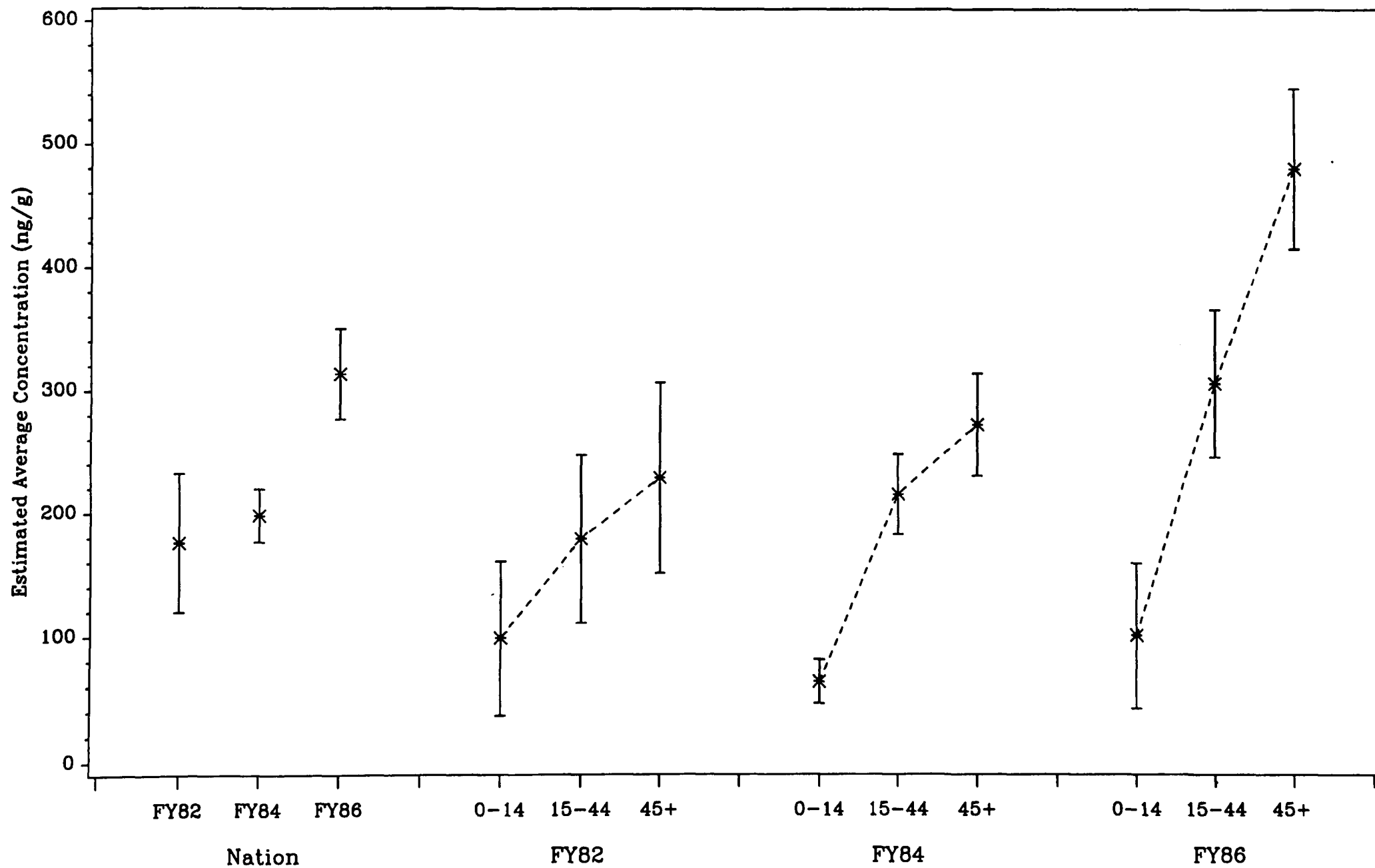


Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Pentachlorobiphenyl



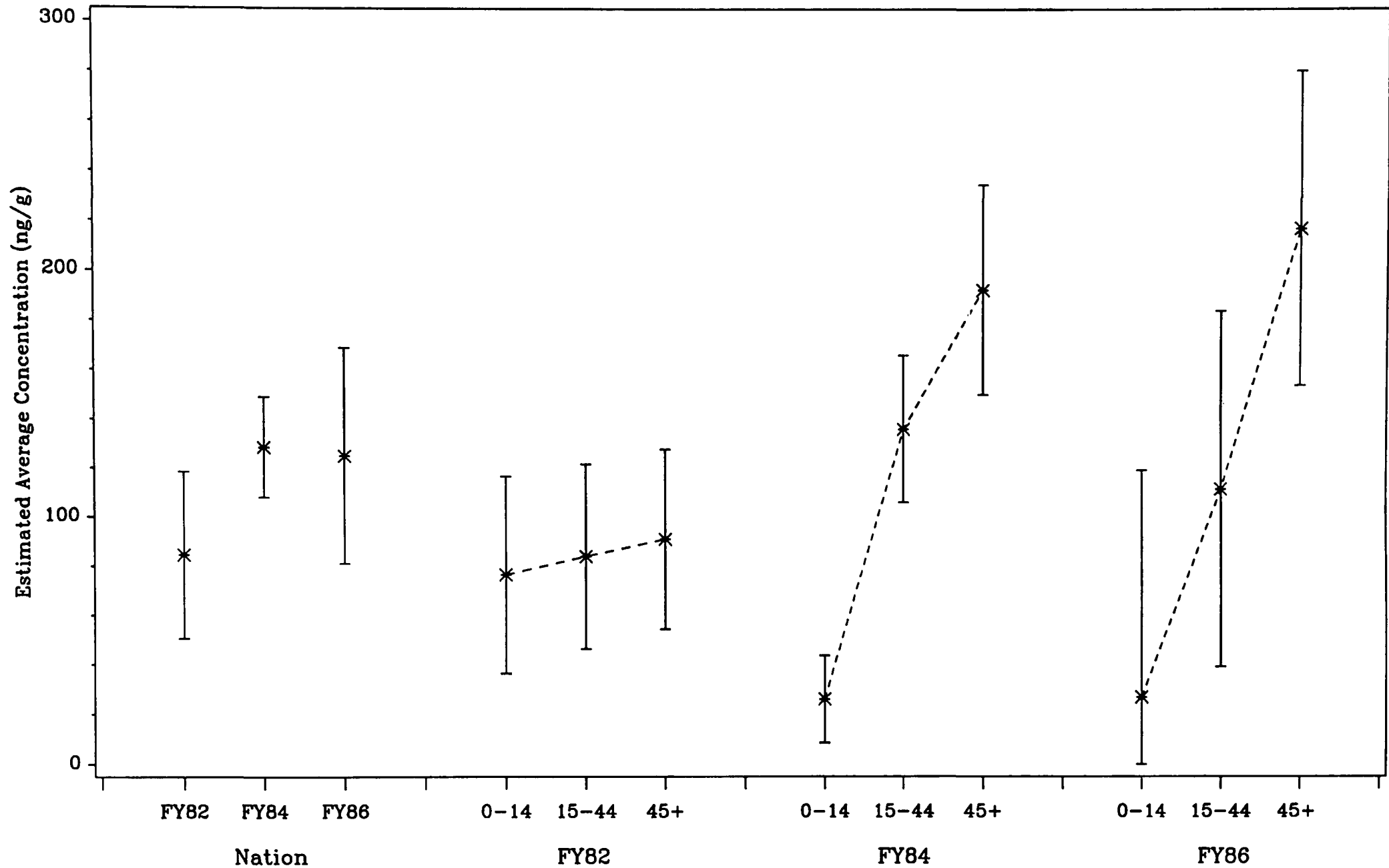
Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Hexachlorobiphenyl

K-21

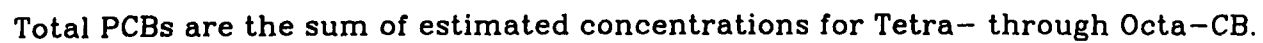


Plot of Estimated Average Concentrations (ng/g) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model  
Compound=Heptachlorobiphenyl

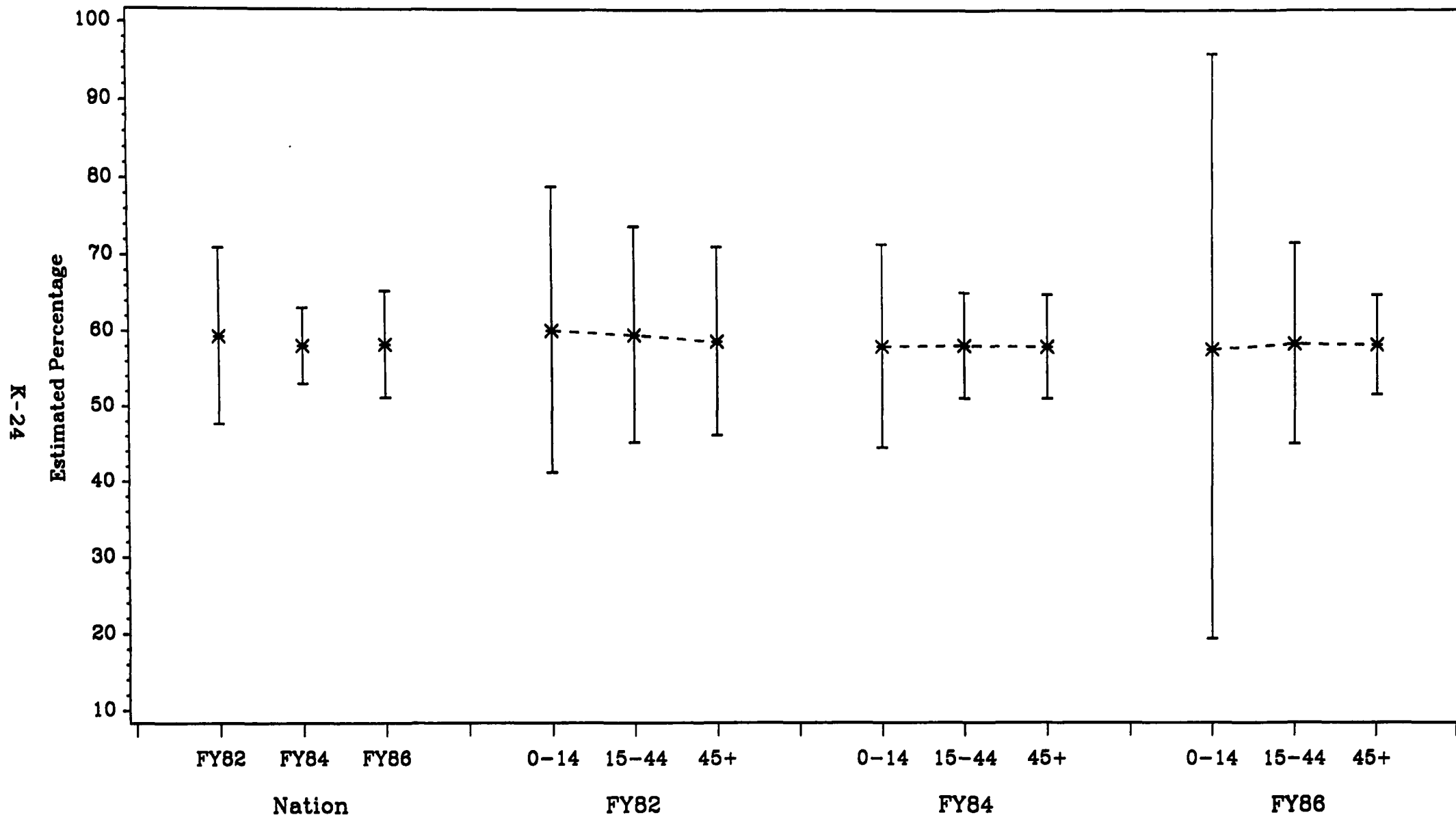
K-22



**K-23**



Plot of Estimated Level of Chlorination (%) by Age Group,  
Plus and Minus 2 Standard Errors, Based on the Additive Model



Level of Chlorination is the sum of the percentage of Total PCBs for each homolog (Tetra- through Octa-CB), weighted by each homolog's chlorine mass fraction.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   |                                               |                              |
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| <b>REPORT DOCUMENTATION PAGE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1. REPORT NO.<br>EPA 747-R-94-001 | 2.                                            | 3. Recipient's Accession No. |
| 4. Title and Subtitle<br>Semivolatile Organic Compounds in the General U.S. Population:<br>NHATS FY86 Results - Volume II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   | 5. Report Date                                |                              |
| 7. Author(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                   | 6.                                            |                              |
| 9. Performing Organization Name and Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                   | 8. Performing Organization Rept. No.          |                              |
| 12. Sponsoring Organization Name and Address<br>Chemical Management Division<br>Office of Pollution Prevention and Toxics<br>U.S. Environmental Protection Agency<br>Washington, DC 20460                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   | 10. Project/Task/Work Unit No.                |                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   | 11. Contract(C) or Grant(G) No.<br>(C)<br>(G) |                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                   | 13. Type of Report & Period Covered           |                              |
| 14.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |                                               |                              |
| 15. Supplementary Notes<br><br>Khoan T. Dinh<br>Technical Programs Branch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   |                                               |                              |
| 16. Abstract (Limit: 200 words)<br><br>The Environmental Protection Agency's National Human Adipose Tissue Survey (NHATS) was performed annually to quantify the levels of selected chemicals in the adipose tissue of humans in the U.S. population. Specimens collected in fiscal year 1986 were earmarked for an analysis to estimate national average concentrations of 111 semivolatile compounds in adipose tissue, to identify differences in average concentrations among subpopulations, and to compare results with previous surveys in the NHATS. For 17 semivolatiles detected in at least half of the 50 analytical samples, statistical modeling techniques were conducted to address these objectives.<br><br>Among demographic effects on average concentration, the age group effect was most often statistically significant, with higher concentrations associated with higher ages. Among PCB homologs, the 45+ year age group had from 188% to 706% higher average concentrations than the 0-14 year age group, with similar increases observed for pesticides. Geographic effects were only occasionally significant, and no significant race or sex effects were observed.<br><br>Statistically significant increases in concentration (generally less than 100%) from the FY82 NHATS were observed for three PCB homologs, while increases of 50% to 100% from the FY84 NHATS were significant for p,p-DDT and p,p-DDE. Mixed findings were observed for other semivolatiles analyzed in all three surveys. |                                   |                                               |                              |
| 17. Document Analysis a. Descriptors<br><br><br><br><br><br><br><br><br><br>b. Identifiers/Open-Ended Terms<br><br><br><br><br><br><br><br><br><br>c. COSATI Field/Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                   |                                               |                              |
| 18. Availability Statement<br><br>NTIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                   | 19. Security Class (This Report)              | 21. No. of Pages             |
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