

ATTACHMENT 1. OCCURRENCE AND SELECTION OF CHEMICALS OF POTENTIAL CONCERN

| | | |
|----------|---|----|
| Table 1. | <i>Occurrence and selection of chemicals of potential concern for intertidal and subtidal sediment in the netfishing exposure scenario</i> | 2 |
| Table 2. | <i>Occurrence and selection of chemicals of potential concern for intertidal sediment in the beach play and clamming exposure scenarios</i> | 15 |
| Table 3. | <i>Occurrence and selection of chemicals of potential concern for tissue in the seafood consumption exposure scenario</i> | 27 |
| Table 4. | <i>Chemicals analyzed in sediment but not in tissue samples evaluated in HHRA</i> | 40 |

Attachment 1. Occurrence and Selection of Chemicals of Potential Concern

This attachment to the LDW baseline HHRA presents the occurrence of chemicals in the LDW and documents the selection process for COPCs using the table format suggested in RAGS Part D (EPA 1998). The COPC selection process is summarized in Section B.3.3 and is based on a comparison of the maximum concentration of a chemical in a medium (or a sample reporting limit, for chemicals never detected) with an appropriate risk-based concentration (RBC).

The selection of COPCs for the netfishing scenario (Table 1) is based on comparisons of both intertidal and subtidal surface sediment chemical concentrations with soil RBCs for an industrial exposure scenario from EPA Region 9 (EPA 2004). The selection of COPCs for the beach play and clamming scenarios (Table 2) is based on comparisons of intertidal surface sediment chemical concentrations with soil RBCs for a residential exposure scenario from EPA Region 9 (EPA 2004). The selection of seafood ingestion COPCs (Table 3) is based on comparisons of chemical concentrations in composite tissue samples of English sole, starry flounder, perch, crab, clams, and mussels summarized in Table B.2-4 in the main document with tissue RBCs from EPA Region 3 (EPA 2005), as modified for site-specific conditions (see Section B.3.3.2 for a discussion of tissue RBC derivation). Chemicals that were analyzed in sediment (shown in Table 1), but not in tissue (tissue data are in Table 3) are listed in Table 4 and are screened for bioaccumulative potential. Sediment data in Tables 1 and 2 are summarized by location (i.e., multiple samples at a single location were averaged according to the project data rules summarized in Section B.2.2.1). Tissue data in Table 3 are summarized by sample. Non-chemical parameters (e.g., salinity, pH, clay, coarse sand, TOC, total solids) are not included in these tables.

Table 1. Occurrence and selection of chemicals of potential concern for intertidal and subtidal sediment in the netfishing exposure scenario

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 7,300 ca | no | bsl |
| 1,1,1-Trichloroethane | 71-55-6 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 120,000 nc | no | bsl |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 930 ca | no | bsl |
| 1,1,2-Trichloroethane | 79-00-5 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 1,100 | 1,100 | not eval | 1,600 ca | no | bsl |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 0 / 40 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 560,000 nc | no | bsl |
| 1,1-Dichloroacetone | 513-88-2 | 0 / 35 | nd | nd | ug/kg dw | 3.0 - 2,700 | 2,700 | not eval | na | no | ntx |
| 1,1-Dichloroethane | 75-34-3 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 170,000 nc | no | bsl |
| 1,1-Dichloroethene | 75-35-4 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 1,100 | 1,100 | not eval | 41,000 nc | no | bsl |
| 1,1-Dichloropropene | 563-58-6 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | na | no | ntx |
| 1,2,3,4,6,7,8-HpCDD | 35822-46-9 | 41 / 43 | 41.4 J | 73,700 | ng/kg dw | 0.99 - 1.1 | 74,000 | not eval | na | no | ntx |
| 1,2,3,4,6,7,8-HpCDF | 67562-39-4 | 40 / 43 | 6.71 | 40,300 | ng/kg dw | 0.62 - 7.7 | 40,000 | not eval | na | no | ntx |
| 1,2,3,4,7,8,9-HpCDF | 55673-89-7 | 27 / 43 | 0.421 J | 3,720 | ng/kg dw | 0.77 - 4.2 | 3,700 | not eval | na | no | ntx |
| 1,2,3,4,7,8-HxCDD | 39227-28-6 | 19 / 43 | 0.382 J | 124 | ng/kg dw | 0.72 - 5.4 | 120 | not eval | na | no | ntx |
| 1,2,3,4,7,8-HxCDF | 70648-26-9 | 30 / 43 | 0.694 J | 2,530 | ng/kg dw | 0.29 - 4.2 | 2,500 | not eval | na | no | ntx |
| 1,2,3,6,7,8-HxCDD | 57653-85-7 | 35 / 43 | 1.73 J | 3,400 | ng/kg dw | 0.74 - 4.1 | 3,400 | not eval | na | no | ntx |
| 1,2,3,6,7,8-HxCDF | 57117-44-9 | 19 / 43 | 0.335 J | 365 | ng/kg dw | 0.22 - 4.3 | 370 | not eval | na | no | ntx |
| 1,2,3,7,8,9-HxCDD | 19408-74-3 | 31 / 43 | 1.19 J | 315 | ng/kg dw | 0.84 - 4.8 | 320 | not eval | na | no | ntx |
| 1,2,3,7,8,9-HxCDF | 72918-21-9 | 18 / 43 | 0.0730 J | 33.8 J | ng/kg dw | 0.12 - 2.4 | 34 | not eval | na | no | ntx |
| 1,2,3,7,8-PeCDD | 40321-76-4 | 19 / 43 | 0.284 J | 57.1 | ng/kg dw | 0.53 - 4.1 | 57 | not eval | na | no | ntx |
| 1,2,3,7,8-PeCDF | 57117-41-6 | 18 / 43 | 0.214 J | 69.3 | ng/kg dw | 0.28 - 5.0 | 69 | not eval | na | no | ntx |
| 1,2,3-Trichlorobenzene | 87-61-6 | 0 / 37 | nd | nd | ug/kg dw | 2.4 - 1,100 | 1,100 | not eval | na | no | ntx |
| 1,2,3-Trichloropropane | 96-18-4 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 76 ca | no | ifd ^c |
| 1,2,4-Trichlorobenzene | 120-82-1 | 5 / 780 | 1.6 J | 72 J | ug/kg dw | 0.33 - 4,100 | 4,100 | not eval | 22,000 nc | no | bsl |
| 1,2,4-Trimethylbenzene | 95-63-6 | 1 / 37 | 0.54 J | 0.54 J | ug/kg dw | 1.5 - 530 | 530 | not eval | 17,000 nc | no | bsl |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 0 / 37 | nd | nd | ug/kg dw | 4.6 - 1,100 | 1,100 | not eval | 2,000 ca | no | bsl |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 73 ca | no | ifd ^d |
| 1,2-Dichlorobenzene | 95-50-1 | 18 / 780 | 1.3 J | 520 J | ug/kg dw | 0.33 - 4,100 | 4,100 | not eval | 60,000 nc | no | bsl |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| 1,2-Dichloroethane | 107-06-2 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 600 ca | no | bsl |
| 1,2-Dichloroethene (total) | 540-59-0 | 0 / 2 | nd | nd | ug/kg dw | 23 - 24 | 24 | not eval | na | no | ntx |
| 1,2-Dichloropropane | 78-87-5 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 740 ca | no | bsl |
| 1,2-Diphenylhydrazine | 122-66-7 | 0 / 111 | nd | nd | ug/kg dw | 13 - 880 | 880 | not eval | 2,200 ca | no | bsl |
| 1,3,5-Trimethylbenzene | 108-67-8 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 7,000 nc | no | bsl |
| 1,3-Dichlorobenzene | 541-73-1 | 3 / 769 | 2.0 J | 11 J | ug/kg dw | 0.33 - 4,100 | 4,100 | not eval | 60,000 nc | no | bsl |
| 1,3-Dichloropropane | 142-28-9 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 36,000 nc | no | bsl |
| 1,4-Dichlorobenzene | 106-46-7 | 35 / 780 | 0.74 J | 1,600 J | ug/kg dw | 0.16 - 4,100 | 4,100 | not eval | 7,900 ca | no | bsl |
| 1-Chlorobutane | 109-69-3 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 48,000 nc | no | bsl |
| 1-Methylnaphthalene | 90-12-0 | 20 / 20 | 1.9 J | 32 | ug/kg dw | na | 32 | not eval | na | no | ntx |
| 2,2-Dichloropropane | 594-20-7 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | na | no | ntx |
| 2,3,4,6,7,8-HxCDF | 60851-34-5 | 19 / 43 | 0.307 J | 302 J | ng/kg dw | 0.29 - 2.5 | 300 | not eval | na | no | ntx |
| 2,3,4,7,8-PeCDF | 57117-31-4 | 19 / 43 | 0.392 J | 230 | ng/kg dw | 0.44 - 5.4 | 230 | not eval | na | no | ntx |
| 2,3,7,8-TCDD | 1746-01-6 | 17 / 43 | 0.0890 J | 30.6 | ng/kg dw | 0.27 - 1.1 | 31 | not eval | 16 ca | no | bsl |
| 2,3,7,8-TCDF | 51207-31-9 | 34 / 43 | 0.426 J | 397 | ng/kg dw | 0.18 - 1.4 | 400 | not eval | na | no | ntx |
| 2,4,5-Trichlorophenol | 95-95-4 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 10,000 | 10,000 | not eval | 6,200,000 nc | no | bsl |
| 2,4,6-Trichlorophenol | 88-06-2 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 6,200 nc | no | bsl |
| 2,4'-DDD | 53-19-0 | 5 / 93 | 1.6 J | 10 J | ug/kg dw | 0.97 - 34 | 34 | not eval | na | no | ntx |
| 2,4'-DDE | 3424-82-6 | 2 / 93 | 2.8 J | 11 | ug/kg dw | 0.97 - 34 | 34 | not eval | na | no | ntx |
| 2,4'-DDT | 789-02-6 | 29 / 93 | 0.24 J | 11 | ug/kg dw | 1.9 - 460 | 460 | not eval | na | no | ntx |
| 2,4-Dichlorophenol | 120-83-2 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 180,000 nc | no | bsl |
| 2,4-Dimethylphenol | 105-67-9 | 1 / 773 | 290 J | 290 J | ug/kg dw | 6.3 - 4,100 | 4,100 | not eval | 1,200,000 nc | no | bsl |
| 2,4-Dinitrophenol | 51-28-5 | 0 / 721 | nd | nd | ug/kg dw | 16 - 10,000 | 10,000 | not eval | 120,000 nc | no | bsl |
| 2,4-Dinitrotoluene | 121-14-2 | 0 / 735 | nd | nd | ug/kg dw | 3.8 - 4,100 | 4,100 | not eval | 120,000 nc | no | bsl |
| 2,6-Dinitrotoluene | 606-20-2 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 62,000 nc | no | bsl |
| 2-Chloroethyl vinyl ether | 110-75-8 | 0 / 3 | nd | nd | ug/kg dw | 7.0 - 12 | 12 | not eval | na | no | ntx |
| 2-Chloronaphthalene | 91-58-7 | 0 / 745 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 2,300,000 nc | no | bsl |
| 2-Chlorophenol | 95-57-8 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 24,000 nc | no | bsl |
| 2-Chlorotoluene | 95-49-8 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 56,000 nc | no | bsl |
| 2-Hexanone | 591-78-6 | 0 / 42 | nd | nd | ug/kg dw | 3.0 - 2,100 | 2,100 | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| 2-Methylnaphthalene | 91-57-6 | 139 / 782 | 1.0 J | 3,300 | ug/kg dw | 1.0 - 4,100 | 4,100 | not eval | na ^e | no | ntx |
| 2-Methylphenol | 95-48-7 | 3 / 785 | 21 | 58 J | ug/kg dw | 6.3 - 4,100 | 4,100 | not eval | 3,100,000 nc | no | bsl |
| 2-Nitroaniline | 88-74-4 | 0 / 721 | nd | nd | ug/kg dw | 16 - 10,000 | 10,000 | not eval | 180,000 nc | no | bsl |
| 2-Nitrophenol | 88-75-5 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | na | no | ntx |
| 2-Nitropropane | 79-46-9 | 0 / 37 | nd | nd | ug/kg dw | 7.6 - 2,700 | 2,700 | not eval | na | no | ntx |
| 3,3'-Dichlorobenzidine | 91-94-1 | 0 / 692 | nd | nd | ug/kg dw | 31 - 4,100 | 4,100 | not eval | 3,800 ca | no | ifd ^f |
| 3-Nitroaniline | 99-09-2 | 0 / 709 | nd | nd | ug/kg dw | 18 - 10,000 | 10,000 | not eval | 82,000 ca | no | bsl |
| 4,4'-DDD | 72-54-8 | 67 / 197 | 0.29 J | 840 | ug/kg dw | 0.75 - 540 | 840 | not eval | 10,000 ca | no | sum |
| 4,4'-DDE | 72-55-9 | 30 / 197 | 0.28 J | 370 J | ug/kg dw | 0.81 - 800 | 800 | not eval | 7,000 ca | no | sum |
| 4,4'-DDT | 50-29-3 | 41 / 197 | 0.48 J | 1,700 | ug/kg dw | 0.81 - 56 | 1,700 | not eval | 7,000 ca | no | sum |
| 4,6-Dinitro-o-cresol | 534-52-1 | 0 / 721 | nd | nd | ug/kg dw | 16 - 10,000 | 10,000 | not eval | 6,200 nc | no | ifd ^g |
| 4-Bromophenyl phenyl ether | 101-55-3 | 1 / 735 | 31 | 31 | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | na | no | ntx |
| 4-Chloro-3-methylphenol | 59-50-7 | 1 / 721 | 6.4 J | 6.4 J | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | na | no | ntx |
| 4-Chloroaniline | 106-47-8 | 0 / 686 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 250,000 nc | no | bsl |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | na | no | ntx |
| 4-Chlorotoluene | 106-43-4 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | na | no | ntx |
| 4-Methylphenol | 106-44-5 | 78 / 795 | 4.8 J | 4,600 J | ug/kg dw | 8.6 - 4,100 | 4,600 | not eval | 310,000 nc | no | bsl |
| 4-Nitroaniline | 100-01-6 | 0 / 709 | nd | nd | ug/kg dw | 16 - 10,000 | 10,000 | not eval | 82,000 ca | no | bsl |
| 4-Nitrophenol | 100-02-7 | 0 / 721 | nd | nd | ug/kg dw | 16 - 10,000 | 10,000 | not eval | na | no | ntx |
| Acenaphthene | 83-32-9 | 301 / 792 | 1.0 J | 5,200 | ug/kg dw | 1.8 - 4,100 | 5,200 | not eval | 2,900,000 nc | no | bsl |
| Acenaphthylene | 208-96-8 | 121 / 782 | 1.3 J | 240 | ug/kg dw | 1.8 - 4,100 | 4,100 | not eval | 2,900,000 nc ^h | no | bsl |
| Acetone | 67-64-1 | 3 / 42 | 110 J | 1,000 J | ug/kg dw | 11 - 21,000 | 21,000 | not eval | 5,400,000 nc | no | bsl |
| Acid volatile sulfides | na | 41 / 52 | 88 J | 6,100 J | mg/kg dw | 48 - 89 | 6,100 | not eval | na | no | ntx |
| Aldrin | 309-00-2 | 4 / 197 | 0.014 J | 1.6 | ug/kg dw | 0.37 - 56 | 56 | not eval | 100 ca | no | bsl |
| Allyl chloride | 107-05-1 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 18,000 nc | no | bsl |
| alpha-BHC | 319-84-6 | 3 / 197 | 0.14 J | 1.8 J | ug/kg dw | 0.37 - 56 | 56 | not eval | 360 ca | no | bsl |
| alpha-Chlordane | 5103-71-9 | 13 / 153 | 0.10 J | 36 | ug/kg dw | 0.72 - 43 | 43 | not eval | 6,500 ca ⁱ | no | bsl |
| alpha-Endosulfan | 959-98-8 | 10 / 151 | 0.18 J | 71 J | ug/kg dw | 0.40 - 100 | 100 | not eval | 370,000 nc ^j | no | bsl |
| Aluminum | 7429-90-5 | 455 / 455 | 2,800 | 110,000 | mg/kg dw | na | 110,000 | 12,000/21,000 | 10,000 nc | yes | asl |
| Ammonia | 7664-41-7 | 14 / 14 | 5.40 | 20.3 | mg/kg dw | na | 20.3 | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| Ammonia (total as nitrogen) | 7664-41-7 | 156 / 160 | 0.18 | 39.1 | mg-N/kg | 0.10 - 0.12 | 39.1 | not eval | na | no | ntx |
| Aniline | 62-53-3 | 1 / 250 | 13 J | 13 J | ug/kg dw | 18 - 290 | 290 | not eval | 300,000 ca | no | bsl |
| Anthracene | 120-12-7 | 553 / 792 | 2.0 | 10,000 | ug/kg dw | 5 - 2,000 | 10,000 | not eval | 10,000,000 nc | no | bsl |
| Antimony | 7440-36-0 | 139 / 552 | 0.09 J | 122 J | mg/kg dw | 0.2 - 31 | 122 | 0.23 / 0.44 | 41 nc | yes | asl |
| Aroclor-1016 | 12674-11-2 | 0 / 983 | nd | nd | ug/kg dw | 0.87 - 3,400 | 3,400 | not eval | 21,000 ca | no | sum, teq |
| Aroclor-1221 | 11104-28-2 | 0 / 857 | nd | nd | ug/kg dw | 1.9 - 5,500 | 5,500 | not eval | na | no | ntx |
| Aroclor-1232 | 11141-16-5 | 0 / 857 | nd | nd | ug/kg dw | 0.87 - 3,400 | 3,400 | not eval | na | no | ntx |
| Aroclor-1242 | 53469-21-9 | 103 / 984 | 7.8 J | 2,700 | ug/kg dw | 0.87 - 6,100 | 6,100 | not eval | na | no | ntx |
| Aroclor-1248 | 12672-29-6 | 205 / 993 | 13 | 220,000 | ug/kg dw | 0.87 - 4,300 | 220,000 | not eval | na | no | ntx |
| Aroclor-1254 | 11097-69-1 | 779 / 985 | 2.2 | 110,000 | ug/kg dw | 1.3 - 4,300 | 110,000 | not eval | 740 ca | no | sum, teq |
| Aroclor-1254/1260 | na | 8 / 8 | 37 | 800 | ug/kg dw | na | 800 | not eval | na | no | ntx |
| Aroclor-1260 | 11096-82-5 | 784 / 985 | 1.2 J | 38,000 | ug/kg dw | 2.5 - 15,000 | 38,000 | not eval | na | no | ntx |
| Aroclor-1262 | 37324-23-5 | 2 / 12 | 270 | 840 | ug/kg dw | 3.3 - 20 | 840 | not eval | na | no | ntx |
| Aroclor-1268 | 11100-14-4 | 1 / 11 | 460 J | 460 J | ug/kg dw | 3.3 - 20 | 460 | not eval | na | no | ntx |
| Arsenic | 7440-38-2 | 754 / 816 | 1.2 | 1,100 | mg/kg dw | 3 - 31 | 1,100 | 5.03 / 10.4 | 1.6 ca | yes | asl |
| Barium | 7440-39-3 | 418 / 418 | 9.40 | 7,400 | mg/kg dw | na | 7,400 | 24 / 55.5 | 6,700 nc | yes | asl |
| Benzaldehyde | 100-52-7 | 6 / 10 | 120 J | 380 | ug/kg dw | 170 - 170 | 380 | not eval | 6,200,000 nc | no | bsl |
| Benzene | 71-43-2 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 1,400 ca | no | bsl |
| Benzidine | 92-87-5 | 0 / 7 | nd | nd | ug/kg dw | 310 - 1,700 | 1,700 | not eval | 7.5 ca | yes | asl |
| Benzo(a)anthracene | 56-55-3 | 719 / 792 | 3.6 J | 8,400 | ug/kg dw | 6.4 - 200 | 8,400 | not eval | 2,100 ca | no | teq |
| Benzo(a)pyrene | 50-32-8 | 718 / 786 | 5.8 J | 7,900 | ug/kg dw | 6.4 - 350 | 7,900 | not eval | 210 ca | no | teq |
| Benzo(b)fluoranthene | 205-99-2 | 725 / 786 | 4.6 | 8,200 | ug/kg dw | 6.4 - 450 | 8,200 | not eval | 2,100 ca | no | teq |
| Benzo(e)pyrene | 192-97-2 | 20 / 20 | 16 | 1,300 | ug/kg dw | na | 1,300 | not eval | na | no | ntx |
| Benzo(g,h,i)perylene | 191-24-2 | 649 / 787 | 6.1 | 3,800 | ug/kg dw | 10 - 4,100 | 4,100 | not eval | na | no | ntx |
| Benzo(k)fluoranthene | 207-08-9 | 698 / 786 | 8.4 | 8,800 | ug/kg dw | 3.8 - 450 | 8,800 | not eval | 21,000 ca | no | teq |
| Benzofluoranthenes (total) | 56832-73-6 | 727 / 786 | 4.6 | 17,000 | ug/kg dw | 19 - 450 | 17,000 | not eval | na | no | ntx |
| Benzoic acid | 65-85-0 | 69 / 783 | 54 J | 4,500 | ug/kg dw | 13 - 3,000 | 4,500 | not eval | 10,000,000 nc | no | bsl |
| Benzyl alcohol | 100-51-6 | 14 / 773 | 8.2 J | 670 | ug/kg dw | 7.5 - 690 | 690 | not eval | 10,000,000 nc | no | bsl |
| Beryllium | 7440-41-7 | 453 / 465 | 0.10 | 0.730 | mg/kg dw | 0.10 - 0.70 | 0.73 | not eval | 1,900 ca | no | bsl |
| beta-BHC | 319-85-7 | 4 / 197 | 0.087 J | 13 | ug/kg dw | 0.37 - 56 | 56 | not eval | 1,300 ca | no | bsl |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| beta-Endosulfan | 33213-65-9 | 4 / 153 | 0.47 J | 10 J | ug/kg dw | 0.81 - 200 | 200 | not eval | 370,000 nc ^k | no | bsl |
| Biphenyl | 92-52-4 | 20 / 20 | 0.86 J | 33 | ug/kg dw | na | 33 | not eval | 2,300,000 nc | no | bsl |
| bis(2-chloroethoxy)methane | 111-91-1 | 1 / 735 | 40 | 40 | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | na | no | ntx |
| bis(2-chloroethyl)ether | 111-44-4 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 580 ca | no | ifd ^l |
| bis(2-chloroisopropyl)ether | 108-60-1 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 7,400 ca | no | bsl |
| Bis(2-ethylhexyl)phthalate | 117-81-7 | 636 / 796 | 5.4 | 14,000 | ug/kg dw | 15 - 1,500 | 14,000 | not eval | 120,000 ca | no | bsl |
| Bromobenzene | 108-86-1 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 9,200 nc | no | bsl |
| Bromochloromethane | 74-97-5 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | na | no | ntx |
| Bromodichloromethane | 75-27-4 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 1,800 ca | no | bsl |
| Bromoform | 75-25-2 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 2,700 | 2,700 | not eval | 220,000 ca | no | bsl |
| Bromomethane | 74-83-9 | 0 / 42 | nd | nd | ug/kg dw | 2.8 - 5,300 | 5,300 | not eval | 1,300 nc | no | ifd ^m |
| Butyl benzyl phthalate | 85-68-7 | 390 / 786 | 2.0 | 7,100 | ug/kg dw | 1.8 - 4,100 | 7,100 | not eval | 10,000,000 nc | no | bsl |
| Butyltin (total) | na | 29 / 37 | 70.0 | 600 | ug/kg dw | 15 - 24 | 600 | not eval | na | no | ntx |
| C1-Chrysenes | 3001965 | 20 / 20 | 12 | 2,100 | ug/kg dw | na | 2,100 | not eval | na | no | ntx |
| C1-Dibenzothiophenes | 3001957 | 14 / 20 | 4.6 J | 59 | ug/kg dw | 5.0 - 5.5 | 59 | not eval | na | no | ntx |
| C1-Fluoranthene/Pyrene | 3001964 | 19 / 20 | 18 | 4,900 | ug/kg dw | 4.9 - 4.9 | 4,900 | not eval | na | no | ntx |
| C1-Fluorenes | 3001954 | 10 / 20 | 4.5 J | 150 | ug/kg dw | 5.0 - 7.8 | 150 | not eval | na | no | ntx |
| C1-Phenanthrenes/anthracenes | 3001960 | 20 / 20 | 8.0 | 1,700 | ug/kg dw | na | 1,700 | not eval | na | no | ntx |
| C2-Chrysenes | 3001966 | 20 / 20 | 8.1 | 680 | ug/kg dw | na | 680 | not eval | na | no | ntx |
| C2-Dibenzothiophenes | 3001958 | 15 / 20 | 4.3 J | 190 | ug/kg dw | 5.0 - 5.4 | 190 | not eval | na | no | ntx |
| C2-Fluorenes | 3001955 | 16 / 20 | 3.4 J | 250 | ug/kg dw | 5.0 - 5.4 | 250 | not eval | na | no | ntx |
| C2-Naphthalenes | 3001951 | 20 / 20 | 6.2 | 100 | ug/kg dw | na | 100 | not eval | na | no | ntx |
| C2-Phenanthrenes/anthracenes | 3001961 | 20 / 20 | 8.5 | 840 | ug/kg dw | na | 840 | not eval | na | no | ntx |
| C3-Chrysenes | 3001967 | 20 / 20 | 7.3 | 370 | ug/kg dw | na | 370 | not eval | na | no | ntx |
| C3-Dibenzothiophenes | 3001959 | 16 / 20 | 7.6 | 150 | ug/kg dw | 4.9 - 5.0 | 150 | not eval | na | no | ntx |
| C3-Fluorenes | 3001956 | 18 / 20 | 3.9 J | 220 | ug/kg dw | 5.0 - 5.0 | 220 | not eval | na | no | ntx |
| C3-Naphthalenes | 3001952 | 20 / 20 | 4.4 J | 310 | ug/kg dw | na | 310 | not eval | na | no | ntx |
| C3-Phenanthrenes/anthracenes | 3001962 | 20 / 20 | 6.8 | 420 | ug/kg dw | na | 420 | not eval | na | no | ntx |
| C4-Chrysenes | 3001968 | 17 / 20 | 7.7 | 130 | ug/kg dw | 4.9 - 5.0 | 130 | not eval | na | no | ntx |
| C4-Naphthalenes | 3001953 | 20 / 20 | 6.0 | 250 | ug/kg dw | na | 250 | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| C4-Phenanthrenes/anthracenes | 3001963 | 20 / 20 | 5.6 | 180 | ug/kg dw | na | 180 | not eval | na | no | ntx |
| Cadmium | 7440-43-9 | 565 / 799 | 0.030 J | 120 | mg/kg dw | 0.040 - 2.5 | 120 | 0.36 / 1.12 | 45 nc | yes | asl |
| Caffeine | 58-08-2 | 1 / 33 | 1,500 J | 1,500 J | ug/kg dw | 6.8 - 4,100 | 4,100 | not eval | na | no | ntx |
| Calcium | 7440-70-2 | 418 / 418 | 1,800 | 49,000 | mg/kg dw | na | 49,000 | not eval | na | no | ntx |
| Caprolactam | 105-60-2 | 1 / 10 | 27 J | 27 J | ug/kg dw | 830 - 1,500 | 1,500 | not eval | 10,000,000 nc | no | bsl |
| Carbazole | 86-74-8 | 385 / 745 | 3.2 J | 4,200 | ug/kg dw | 8.8 - 4,100 | 4,200 | not eval | 86,000 ca | no | bsl |
| Carbon disulfide | 75-15-0 | 13 / 42 | 0.84 J | 4.0 J | ug/kg dw | 1.4 - 1,100 | 1,100 | not eval | 72,000 nc | no | bsl |
| Carbon tetrachloride | 56-23-5 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 550 ca | no | bsl |
| Carcinogenic PAHs - Mammal - Half DL | na | 749 / 792 | 9.1 J | 11,000 | ug/kg dw | na | 11,000 | not eval | 210 ca ⁿ | yes | asl |
| Chlordane | 57-74-9 | 5 / 44 | 25 | 62 | ug/kg dw | 7.7 - 330 | 330 | not eval | na | no | ntx |
| Chloroacetonitrile | 107-14-2 | 0 / 2 | nd | nd | ug/kg dw | 7.6 - 24 | 24 | not eval | na | no | ntx |
| Chlorobenzene | 108-90-7 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 53,000 nc | no | bsl |
| Chloroethane | 75-00-3 | 0 / 42 | nd | nd | ug/kg dw | 2.8 - 11,000 | 11,000 | not eval | 6,500 ca | no | ifd ^o |
| Chloroform | 67-66-3 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 470 ca | no | ifd ^p |
| Chloromethane | 74-87-3 | 0 / 42 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 16,000 nc | no | bsl |
| Chromium | 7440-47-3 | 813 / 813 | 4.8 | 1,100 J | mg/kg dw | na | 1,100 | not eval | 6.5 ca ^q | yes | asl |
| Chromium VI | 18540-29-9 | 1 / 7 | 14 J | 14 J | mg/kg dw | 1.1 - 10 | 14 | not eval | 64 ca | no | bsl |
| Chrysene | 218-01-9 | 741 / 792 | 12 | 7,700 | ug/kg dw | 5 - 170 | 7,700 | not eval | 210,000 ca | no | bsl |
| cis-1,2-Dichloroethene | 156-59-2 | 0 / 40 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 15,000 nc | no | bsl |
| cis-1,3-Dichloropropene | 10061-01-5 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 560 | 560 | not eval | na | no | ntx |
| cis-Nonachlor | 5103-73-1 | 0 / 58 | nd | nd | ug/kg dw | 1.9 - 330 | 330 | not eval | na | no | ntx |
| Cobalt | 7440-48-4 | 556 / 556 | 2.82 | 140 | mg/kg dw | na | 140 | not eval | 1,900 ca | no | bsl |
| Copper | 7440-50-8 | 816 / 816 | 5 | 12,000 J | mg/kg dw | na | 12,000 | 21.3 / 50.8 | 4,100 nc | yes | asl |
| Coprostanol | 360-68-9 | 43 / 109 | 260 J | 50,000 J | ug/kg dw | 18 - 4,100 | 50,000 | not eval | na | no | ntx |
| Cyanide | 57-12-5 | 0 / 6 | nd | nd | mg/kg dw | 0.37 - 0.53 | 0.53 | not eval | 1,200 nc | no | ntx |
| DDTs (total-calc'd) | na | 78 / 197 | 0.72 J | 2,900 J | ug/kg dw | 0.81 - 800 | 2,900 | not eval | 7,000 ca ^r | no | bsl |
| delta-BHC | 319-86-8 | 3 / 158 | 0.081 J | 11 | ug/kg dw | 0.37 - 56 | 56 | not eval | na | no | ntx |
| Dibenzo(a,h)anthracene | 53-70-3 | 400 / 792 | 1.6 J | 1,500 | ug/kg dw | 1.0 - 4,100 | 4,100 | not eval | 210 ca | no | teq |
| Dibenzofuran | 132-64-9 | 246 / 791 | 1.0 J | 4,200 | ug/kg dw | 1.7 - 4,100 | 4,200 | not eval | 160,000 nc | no | bsl |
| Dibenzothiophene | 132-65-0 | 20 / 20 | 0.81 J | 150 | ug/kg dw | na | 150 | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-------------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| Dibromochloromethane | 124-48-1 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 2,700 | 2,700 | not eval | 2,600 ca | no | ifd ^s |
| Dibromomethane | 74-95-3 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 23,000 nc | no | bsl |
| Dibutyltin as ion | 1002-53-5 | 106 / 147 | 0.39 J | 560 | ug/kg dw | 1.0 - 49 | 560 | not eval | na | no | ntx |
| Dichlorodifluoromethane | 75-71-8 | 0 / 7 | nd | nd | ug/kg dw | 1.5 - 3.3 | 3.3 | not eval | 31,000 nc | no | bsl |
| Dichloromethane | 75-09-2 | 1 / 42 | 1,600 | 1,600 | ug/kg dw | 2.8 - 21 | 1,600 | not eval | 21,000 ca | no | bsl |
| Dieldrin | 60-57-1 | 9 / 197 | 0.099 J | 280 | ug/kg dw | 0.81 - 91 | 280 | not eval | 110 ca | yes | asl |
| Diethyl ether | 60-29-7 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 180,000 nc | no | bsl |
| Diethyl phthalate | 84-66-2 | 42 / 796 | 2.0 J | 150 | ug/kg dw | 1.8 - 4,100 | 4,100 | not eval | 10,000,000 nc | no | bsl |
| Dimethyl phthalate | 131-11-3 | 136 / 786 | 2.0 J | 1,400 J | ug/kg dw | 1.8 - 4,100 | 4,100 | not eval | 10,000,000 nc | no | bsl |
| Di-n-butyl phthalate | 84-74-2 | 181 / 786 | 3.0 J | 3,800 | ug/kg dw | 1.8 - 4,100 | 4,100 | not eval | 6,200,000 nc | no | bsl |
| Di-n-octyl phthalate | 117-84-0 | 48 / 796 | 1.8 | 1,000 | ug/kg dw | 1.8 - 4,100 | 4,100 | not eval | 2,500,000 nc | no | bsl |
| Dioxin/furan TEQ - Mammal - Half DL | na | 43 / 43 | 1.10 J | 2,100 J | ng/kg dw | na | 2,100 | not eval | 16 ca ^t | yes | asl |
| Endosulfan | 115-29-7 | 1 / 46 | 0.11 J | 0.11 J | ug/kg dw | 0.81 - 56 | 56 | not eval | 370,000 nc | no | bsl |
| Endosulfan sulfate | 1031-07-8 | 3 / 195 | 0.63 J | 25 | ug/kg dw | 0.75 - 200 | 200 | not eval | na | no | ntx |
| Endrin | 72-20-8 | 4 / 197 | 0.99 J | 9.1 | ug/kg dw | 0.75 - 200 | 200 | not eval | 18,000 nc | no | bsl |
| Endrin aldehyde | 7421-93-4 | 6 / 186 | 0.28 J | 130 | ug/kg dw | 0.75 - 250 | 250 | not eval | 18,000 nc ^u | no | bsl |
| Endrin ketone | 53494-70-5 | 7 / 141 | 0.83 J | 110 J | ug/kg dw | 0.75 - 200 | 200 | not eval | 18,000 nc ^v | no | bsl |
| Ethyl methacrylate | 97-63-2 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | 14,000 nc | no | bsl |
| Ethylbenzene | 100-41-4 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 40,000 nc | no | bsl |
| Fluoranthene | 206-44-0 | 762 / 792 | 18 | 24,000 | ug/kg dw | 10 - 340 | 24,000 | not eval | 2,200,000 nc | no | bsl |
| Fluorene | 86-73-7 | 373 / 792 | 1.4 J | 6,800 | ug/kg dw | 1.8 - 2,000 | 6,800 | not eval | 2,600,000 nc | no | bsl |
| gamma-BHC | 58-89-9 | 11 / 197 | 0.050 J | 6.7 J | ug/kg dw | 0.37 - 56 | 56 | not eval | 1,700 ca | no | bsl |
| gamma-Chlordane | 5103-74-2 | 25 / 153 | 0.20 J | 200 | ug/kg dw | 0.72 - 96 | 200 | not eval | 6,500 ca ^w | no | bsl |
| Gasoline | 8006-61-9 | 2 / 10 | 130 | 260 | mg/kg dw | 10 - 10 | 260 | not eval | na | no | ntx |
| Heptachlor | 76-44-8 | 8 / 197 | 0.12 J | 5.2 | ug/kg dw | 0.43 - 70 | 70 | not eval | 380 ca | no | bsl |
| Heptachlor epoxide | 1024-57-3 | 5 / 197 | 0.47 J | 4.9 J | ug/kg dw | 0.37 - 510 | 510 | not eval | 190 ca | no | ifd ^x |
| Hexachlorobenzene | 118-74-1 | 46 / 783 | 0.4 J | 95 J | ug/kg dw | 0.11 - 4,100 | 4,100 | not eval | 1,100 ca | no | ifd ^y |
| Hexachlorobutadiene | 87-68-3 | 0 / 782 | nd | nd | ug/kg dw | 0.94 - 4,100 | 4,100 | not eval | 22,000 ca | no | bsl |
| Hexachlorocyclopentadiene | 77-47-4 | 1 / 682 | 100 J | 100 J | ug/kg dw | 32 - 4,100 | 4,100 | not eval | 370,000 nc | no | bsl |
| Hexachloroethane | 67-72-1 | 0 / 763 | nd | nd | ug/kg dw | 1.5 - 4,100 | 4,100 | not eval | 120,000 ca | no | bsl |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 694 / 787 | 6.5 | 4,300 | ug/kg dw | 6.4 - 4,100 | 4,300 | not eval | 2,100 ca | no | teq |
| Iodomethane | 74-88-4 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | na | no | ntx |
| Iron | 7439-89-6 | 453 / 453 | 8,100 | 160,000 | mg/kg dw | na | 160,000 | 17,500/28,700 | 10,000 nc | yes | asl |
| Isophorone | 78-59-1 | 2 / 745 | 26 | 430 | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 510,000 ca | no | bsl |
| Isopropylbenzene | 98-82-8 | 0 / 37 | nd | nd | ug/kg dw | 2.3 - 530 | 530 | not eval | 200,000 nc | no | bsl |
| Lead | 7439-92-1 | 816 / 816 | 2 | 23,000 | mg/kg dw | na | 23,000 | 15 / 45 | 80 nc | yes | asl |
| Lube oils | na | 0 / 7 | nd | nd | mg/kg dw | 10 - 10 | 10 | not eval | na | no | ntx |
| Magnesium | 7439-95-4 | 428 / 428 | 2,000 | 17,000 | mg/kg dw | na | 17,000 | not eval | na | no | ntx |
| Manganese | 7439-96-5 | 450 / 450 | 78.0 | 3,300 | mg/kg dw | na | 3,300 | 279 / 1,010 | 1,900 nc | yes | asl |
| Mercury | 7439-97-6 | 717 / 833 | 0.021 | 4.6 J | mg/kg dw | 0.020 - 0.10 | 4.6 | 0.0981 / 0.327 | 31 nc | no | bsl |
| Methacrylonitrile | 126-98-7 | 0 / 37 | nd | nd | ug/kg dw | 4.6 - 1,100 | 1,100 | not eval | 840 nc | no | ifd ^z |
| Methoxychlor | 72-43-5 | 11 / 197 | 0.34 J | 99 | ug/kg dw | 0.97 - 330 | 330 | not eval | 310,000 nc | no | bsl |
| Methyl acrylate | 96-33-3 | 0 / 37 | nd | nd | ug/kg dw | 2.3 - 530 | 530 | not eval | 23,000 nc | no | bsl |
| Methyl ethyl ketone | 78-93-3 | 15 / 42 | 5.3 | 35 | ug/kg dw | 3.0 - 1,100 | 1,100 | not eval | 11,000,000 nc | no | bsl |
| Methyl isobutyl ketone | 108-10-1 | 0 / 42 | nd | nd | ug/kg dw | 3.0 - 1,100 | 1,100 | not eval | 4,700,000 nc | no | bsl |
| Methyl methacrylate | 80-62-6 | 0 / 37 | nd | nd | ug/kg dw | 2.3 - 530 | 530 | not eval | 270,000 nc | no | bsl |
| Methylmercury | 22967-92-6 | 20 / 20 | 0.040 J | 5.6 | ug/kg dw | na | 5.60 | not eval | 6,200 nc | no | bsl |
| Mirex | 2385-85-5 | 3 / 93 | 0.29 J | 1.0 J | ug/kg dw | 0.97 - 34 | 34 | not eval | 960 ca | no | bsl |
| Moisture | na | 5 / 5 | 34.4 | 48.8 | % ww | na | 48.8 | not eval | na | no | ntx |
| Molybdenum | 7439-98-7 | 199 / 257 | 0.390 J | 75 | mg/kg dw | 0.6 - 5.3 | 75.0 | not eval | 510 nc | no | bsl |
| Monobutyltin as ion | 78763-54-9 | 89 / 117 | 0.12 J | 120 | ug/kg dw | 1.0 - 85 | 120 | not eval | na | no | ntx |
| Naphthalene | 91-20-3 | 148 / 782 | 3.0 J | 5,300 | ug/kg dw | 1.0 - 4,100 | 5,300 | not eval | 19,000 nc | no | bsl |
| n-Butylbenzene | 104-51-8 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 24,000 nc | no | bsl |
| Nickel | 7440-02-0 | 775 / 775 | 5 | 910 | mg/kg dw | na | 910 | 26.8 / 41.7 | 2,000 nc | no | bsl |
| Nitrobenzene | 98-95-3 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 10,000 nc | no | bsl |
| n-Nitrosodimethylamine | 62-75-9 | 0 / 294 | nd | nd | ug/kg dw | 31 - 1,800 | 1,800 | not eval | 34 ca | yes | asl |
| n-Nitroso-di-n-propylamine | 621-64-7 | 0 / 735 | nd | nd | ug/kg dw | 8.6 - 4,100 | 4,100 | not eval | 250 ca | no | ifd ^{aa} |
| n-Nitrosodiphenylamine | 86-30-6 | 23 / 782 | 6.5 | 230 | ug/kg dw | 1.8 - 4,100 | 4,100 | not eval | 350,000 ca | no | bsl |
| n-Propylbenzene | 103-65-1 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 24,000 nc | no | bsl |
| OCDD | 3268-87-9 | 43 / 43 | 7.8 J | 241,000 | ng/kg dw | na | 240,000 | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| OCDF | 39001-02-0 | 42 / 43 | 12.5 | 93,700 | ng/kg dw | 0.74 - 0.74 | 94,000 | not eval | na | no | ntx |
| Oxychlordane | 27304138 | 0 / 58 | nd | nd | ug/kg dw | 1.9 - 34 | 34 | not eval | na | no | ntx |
| PCB TEQ - Mammal - Half DL | na | 48 / 48 | 0.0908 J | 1,380 | ng/kg dw | na | 1,380 | not eval | 16 ca ^{ab} | yes | asl |
| PCB-018 | 37680-65-2 | 73 / 237 | 1,000 J | 170,000 J | ng/kg dw | 1,000 - 24,000 | 170,000 | not eval | na | no | ntx |
| PCB-028 | 7012-37-5 | 138 / 251 | 1,000 J | 160,000 J | ng/kg dw | 1,000 - 8,000 | 160,000 | not eval | na | no | ntx |
| PCB-044 | 41464-39-5 | 165 / 251 | 1,000 J | 190,000 J | ng/kg dw | 1,000 - 2,000 | 190,000 | not eval | na | no | ntx |
| PCB-055 | 74338-24-2 | 182 / 251 | 1,000 J | 890,000 J | ng/kg dw | 1,000 - 13,000 | 890,000 | not eval | na | no | ntx |
| PCB-066 | 32598-10-0 | 217 / 299 | 73.6 | 3,060,000 | ng/kg dw | 1,000 - 250,000 | 3,060,000 | not eval | na | no | ntx |
| PCB-077 | 32598-13-3 | 66 / 596 | 10.4 | 80,500 | ng/kg dw | 110 - 15,000 | 80,500 | not eval | na | no | ntx |
| PCB-081 | 70362-50-4 | 48 / 299 | 0.396 J | 6,970 | ng/kg dw | 1,000 - 10,000 | 10,000 | not eval | na | no | ntx |
| PCB-090 | 68194-07-0 | 48 / 48 | 180 C | 11,700,000 C | ng/kg dw | na | 11,700,000 | not eval | na | no | ntx |
| PCB-101 ^{ac} | 37680-73-2 | 538 / 594 | na | 5,600,000 J | ng/kg dw | 120 - 10,000 | 5,600,000 | not eval | na | no | ntx |
| PCB-105 | 32598-14-4 | 433 / 592 | 61.4 | 3,660,000 | ng/kg dw | 120 - 19,000 | 3,660,000 | not eval | na | no | ntx |
| PCB-110 | 38380-03-9 | 310 / 345 | 220 J | 14,500,000 C | ng/kg dw | 120 - 6,600 | 14,500,000 | not eval | na | no | ntx |
| PCB-113 ^{ac} | 68194-10-5 | 48 / 48 | na | na | ng/kg dw | na | na | not eval | na | no | ntx |
| PCB-114 | 74472-37-0 | 53 / 299 | 2.75 | 207,000 | ng/kg dw | 1,000 - 12,000 | 207,000 | not eval | na | no | ntx |
| PCB-115 ^{ac} | 74472-38-1 | 48 / 48 | na | na | ng/kg dw | na | na | not eval | na | no | ntx |
| PCB-118 | 31508-00-6 | 492 / 595 | 154 | 12,000,000 | ng/kg dw | 120 - 8,300 | 12,000,000 | not eval | na | no | ntx |
| PCB-123 | 65510-44-3 | 48 / 299 | 2.79 | 138,000 | ng/kg dw | 1,000 - 31,000 | 138,000 | not eval | na | no | ntx |
| PCB-126 | 57465-28-8 | 56 / 595 | 0.758 J | 7,980 | ng/kg dw | 100 - 50,000 | 50,000 | not eval | na | no | ntx |
| PCB-128 | 38380-07-3 | 295 / 543 | 350 J | 620,000 J | ng/kg dw | 130 - 13,000 | 620,000 | not eval | na | no | ntx |
| PCB-129 | 55215-18-4 | 48 / 48 | 320 C | 14,000,000 C | ng/kg dw | na | 14,000,000 | not eval | na | no | ntx |
| PCB-138 ^{ac} | 35065-28-2 | 531 / 596 | na | 1,400,000 | ng/kg dw | 130 - 19,000 | 1,400,000 | not eval | na | no | ntx |
| PCB-153 | 35065-27-1 | 543 / 593 | 258 C | 9,090,000 C | ng/kg dw | 120 - 11,000 | 9,090,000 | not eval | na | no | ntx |
| PCB-156 | 38380-08-4 | 258 / 596 | 27.5 C | 1,790,000 C | ng/kg dw | 80 - 10,000 | 1,790,000 | not eval | na | no | ntx |
| PCB-157 ^{ac} | 69782-90-7 | 109 / 594 | na | 56,000 | ng/kg dw | 80 - 27,000 | 56,000 | not eval | na | no | ntx |
| PCB-160 ^{ac} | 41411-62-5 | 48 / 48 | na | na | ng/kg dw | na | na | not eval | na | no | ntx |
| PCB-163 ^{ac} | 74472-44-9 | 48 / 48 | na | na | ng/kg dw | na | na | not eval | na | no | ntx |
| PCB-167 | 52663-72-6 | 85 / 299 | 10.6 | 515,000 | ng/kg dw | 1,000 - 10,000 | 515,000 | not eval | na | no | ntx |
| PCB-168 ^{ac} | 59291-65-5 | 48 / 48 | na | na | ng/kg dw | na | na | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| PCB-169 | 32774-16-6 | 0 / 596 | nd | nd | ng/kg dw | 0.399 - 10,000 | 10,000 | not eval | na | no | ntx |
| PCB-170 | 35065-30-6 | 417 / 548 | 190 J | 460,000 | ng/kg dw | 80 - 14,000 | 460,000 | not eval | na | no | ntx |
| PCB-180 | 35065-29-3 | 498 / 596 | 155 C | 1,600,000 C | ng/kg dw | 110 - 9,500 | 1,600,000 | not eval | na | no | ntx |
| PCB-187 | 52663-68-0 | 209 / 251 | 1,000 J | 360,000 J | ng/kg dw | 1,000 - 6,000 | 360,000 | not eval | na | no | ntx |
| PCB-189 | 39635-31-9 | 72 / 596 | 3.06 | 65,700 | ng/kg dw | 110 - 10,000 | 65,700 | not eval | na | no | ntx |
| PCB-193 ^{ac} | 69782-91-8 | 48 / 48 | na | na | ng/kg dw | na | na | not eval | na | no | ntx |
| PCB-195 | 52663-78-2 | 32 / 251 | 1,000 J | 49,000 J | ng/kg dw | 1,000 - 10,000 | 49,000 | not eval | na | no | ntx |
| PCB-206 | 40186-72-9 | 42 / 251 | 1,000 | 27,000 | ng/kg dw | 1,000 - 10,000 | 27,000 | not eval | na | no | ntx |
| PCB-209 | 2051-24-3 | 7 / 251 | 1,000 | 2,000 | ng/kg dw | 1,000 - 10,000 | 10,000 | not eval | na | no | ntx |
| Total PCBs (calc'd) | na | 1205 / 1290 | 1.6 J | 220,000 | ug/kg dw | 0.56 - 50 | 220,000 | not eval | 740 ca ^{ad} | yes | asl |
| PCBs + PCTs (total) | na | 294 / 297 | 1.6 | 26,000 | ug/kg dw | 0.56 - 0.63 | 26,000 | not eval | na | no | ntx |
| PCTs (total) | na | 258 / 299 | 1.8 J | 5,600 | ug/kg dw | 1.6 - 8.1 | 5,600 | not eval | na | no | ntx |
| p-Cymene | 99-87-6 | 3 / 37 | 1.6 J | 25 | ug/kg dw | 1.5 - 530 | 530 | not eval | na | no | ntx |
| Pentachloroethane | 76-01-7 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 1,100 | 1,100 | not eval | na | no | ntx |
| Pentachlorophenol | 87-86-5 | 12 / 749 | 14 J | 410 | ug/kg dw | 6.3 - 10,000 | 10,000 | not eval | 9,000 ca | no | ifd ^{ae} |
| Perylene | 198-55-0 | 20 / 20 | 9.0 | 350 | ug/kg dw | na | 350 | not eval | na | no | ntx |
| Phenanthrene | 85-01-8 | 727 / 792 | 7.1 | 28,000 | ug/kg dw | 5 - 200 | 28,000 | not eval | na | no | ntx |
| Phenol | 108-95-2 | 254 / 795 | 10 J | 2,800 | ug/kg dw | 7.3 - 790 | 2,800 | not eval | 10,000,000 nc | no | bsl |
| Potassium | 7440-09-7 | 429 / 429 | 380 | 11,000 | mg/kg dw | na | 11,000 | not eval | na | no | ntx |
| Pyrene | 129-00-0 | 755 / 792 | 7 J | 16,000 | ug/kg dw | 18 - 170 | 16,000 | not eval | 2,900,000 nc | no | bsl |
| Pyridine | 110-86-1 | 0 / 12 | nd | nd | ug/kg dw | 160 - 2,400 | 2,400 | not eval | 62,000 nc | no | bsl |
| Retene | 483-65-8 | 10 / 19 | 99 J | 1,500 J | ug/kg dw | 290 - 4,100 | 4,100 | not eval | na | no | ntx |
| sec-Butylbenzene | 135-98-8 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | na | no | ntx |
| Selenium | 7782-49-2 | 277 / 631 | 0.2 J | 28 | mg/kg dw | 0.20 - 40 | 40 | not eval | 510 nc | no | bsl |
| Silver | 7440-22-4 | 481 / 784 | 0.020 | 270 | mg/kg dw | 0.046 - 5 | 270 | 0.28 / 0.74 | 510 nc | no | bsl |
| Sodium | 7440-23-5 | 418 / 418 | 580 | 23,000 | mg/kg dw | na | 23,000 | not eval | na | no | ntx |
| Styrene | 100-42-5 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 1,100 | 1,100 | not eval | 170,000 nc | no | bsl |
| Sulfides (total) | na | 136 / 231 | 2.0 J | 7,700 | mg/kg dw | 0.68 - 46 | 7,700 | not eval | na | no | ntx |
| tert-Butyl methyl ether | 1634-04-4 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 70,000 ca | no | bsl |
| tert-Butylbenzene | 98-06-6 | 0 / 37 | nd | nd | ug/kg dw | 1.5 - 530 | 530 | not eval | 39,000 nc | no | bsl |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| Tetrabutyltin as ion | 1461-25-2 | 15 / 119 | 0.27 J | 58 | ug/kg dw | 0.60 - 20 | 58 | not eval | na | no | ntx |
| Tetrachloroethene | 127-18-4 | 2 / 42 | 0.21 J | 0.52 J | ug/kg dw | 1.4 - 530 | 530 | not eval | 1,300 ca | no | bsl |
| Thallium | 7440-28-0 | 325 / 637 | 0.010 J | 32 J | mg/kg dw | 0.030 - 53 | 53 | 0.252 / 1.79 | 6.7 nc | yes | asl |
| Tin | 7440-31-5 | 163 / 251 | 1.0 J | 350 | mg/kg dw | 1.0 - 8.0 | 350 | not eval | 10,000 nc | no | bsl |
| Toluene | 108-88-3 | 4 / 42 | 1.0 J | 6.4 | ug/kg dw | 1.4 - 530 | 530 | not eval | 52,000 nc | no | bsl |
| Total aldrin/dieldrin (calc'd) | na | 12 / 197 | 0.113 J | 280 | ug/kg dw | 0.81 - 91 | 280 | not eval | na | no | ntx |
| Total chlordane (calc'd) | na | 28 / 153 | 0.20 J | 230 | ug/kg dw | 0.72 - 330 | 330 | not eval | 6,500 ca ^{af} | no | bsl |
| Total HPAH (calc'd) | na | 769 / 792 | 20 | 85,000 | ug/kg dw | 19 - 120 | 85,000 | not eval | na | no | ntx |
| Total HpCDD | 37871-00-4 | 23 / 25 | 120 | 11,000 | ng/kg dw | 0.99 - 1.9 | 11,000 | not eval | na | no | ntx |
| Total HpCDF | 38998-75-3 | 23 / 25 | 18 | 3,900 | ng/kg dw | 0.84 - 2.2 | 3,900 | not eval | na | no | ntx |
| Total HxCDD | 34465-46-8 | 23 / 25 | 7.5 | 1,100 | ng/kg dw | 1.1 - 1.7 | 1,100 | not eval | na | no | ntx |
| Total HxCDF | 55684-94-1 | 23 / 25 | 6.2 | 1,200 | ng/kg dw | 0.36 - 0.45 | 1,200 | not eval | na | no | ntx |
| Total LPAH (calc'd) | na | 731 / 792 | 9.1 | 44,000 | ug/kg dw | 19 - 200 | 44,000 | not eval | na | no | ntx |
| Total PAH (calc'd) | na | 771 / 792 | 20 | 128,000 | ug/kg dw | 19 - 120 | 128,000 | not eval | na | no | ntx |
| Total PeCDD | 36088-22-9 | 1 / 25 | 49 | 49 | ng/kg dw | 1.4 - 8.5 | 49 | not eval | na | no | ntx |
| Total PeCDF | 30402-15-4 | 22 / 25 | 4.9 | 180 | ng/kg dw | 0.71 - 3.9 | 180 | not eval | na | no | ntx |
| Total petroleum hydrocarbons | na | 2 / 2 | 68 | 81 | mg/kg dw | na | 81 | not eval | na | no | ntx |
| Total TCDD | na | 20 / 25 | 0.95 | 18 | ng/kg dw | 0.34 - 1.1 | 18 | not eval | na | no | ntx |
| Total TCDF | 30402-14-3 | 23 / 25 | 3.0 | 95 | ng/kg dw | 0.28 - 0.32 | 95 | not eval | na | no | ntx |
| Total xylenes (calc'd) | na | 0 / 40 | nd | nd | ug/kg dw | 1.4 - 1,100 | 1,100 | not eval | na | no | bsl |
| Toxaphene | 8001-35-2 | 2 / 195 | 340 J | 6,300 J | ug/kg dw | 1.0 - 4,300 | 6,300 | not eval | 1,600 ca | yes | asl |
| TPH | na | 49 / 55 | 23 | 23,000 | mg/kg dw | 20 - 20 | 23,000 | not eval | na | no | ntx |
| TPH - diesel #2 range | 68334-30-5 | 0 / 8 | nd | nd | mg/kg dw | 10 - 10 | 10 | not eval | na | no | ntx |
| TPH - diesel range | na | 2 / 2 | 68 | 81 | mg/kg dw | na | 81 | not eval | na | no | ntx |
| TPH - gasoline range | na | 0 / 2 | nd | nd | mg/kg dw | 20 - 20 | 20 | not eval | na | no | ntx |
| TPH - heavy fuel oil range | 8001-58-9 | 2 / 3 | 250 | 370 | mg/kg dw | 10 - 10 | 370 | not eval | na | no | ntx |
| trans-1,2-Dichloroethene | 156-60-5 | 0 / 40 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 23,000 nc | no | bsl |
| trans-1,3-Dichloropropene | 10061-02-6 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 500 | 500 | not eval | na | no | ntx |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 0 / 35 | nd | nd | ug/kg dw | 7.6 - 2,700 | 2,700 | not eval | na | no | ntx |
| trans-Nonachlor | 39765-80-5 | 0 / 58 | nd | nd | ug/kg dw | 1.9 - 34 | 34 | not eval | na | no | ntx |

Table 1, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | INDUSTRIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|------------------------|-----------------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-----------------------------|------------|--------------------------------------|
| Tributyltin as ion | 688-73-3 | 143 / 159 | 0.28 J | 3,000 | ug/kg dw | 1.0 - 5.3 | 3,000 | not eval | 9,100 nc ^{ag} | no | bsl |
| Trichloroethene | 79-01-6 | 0 / 42 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | 110 ca | no | ifd ^{ah} |
| Trichlorofluoromethane | 75-69-4 | 0 / 40 | nd | nd | ug/kg dw | 1.5 - 5,300 | 5,300 | not eval | 200,000 nc | no | bsl |
| Vanadium | 7440-62-2 | 556 / 556 | 15 | 150 | mg/kg dw | na | 150 | 36 / 59.6 | 100 nc | yes | asl |
| Vinyl acetate | 108-05-4 | 0 / 3 | nd | nd | ug/kg dw | 7.0 - 12 | 12 | not eval | 140,000 nc | no | bsl |
| Vinyl chloride | 75-01-4 | 0 / 42 | nd | nd | ug/kg dw | 1.5 - 2,700 | 2,700 | not eval | 750 ca | no | ifd ^{ai} |
| Xylene (meta & para) | 108-38-3/ 106-42-3 | 0 / 40 | nd | nd | ug/kg dw | 1.4 - 1,100 | 1,100 | not eval | na | no | ntx |
| Xylene (ortho) | 95-47-6 | 0 / 40 | nd | nd | ug/kg dw | 1.4 - 530 | 530 | not eval | na | no | ntx |
| Xylene (total) | 1330-20-7 | 0 / 2 | nd | nd | ug/kg dw | 23 - 24 | 24 | not eval | 42,000 nc | no | bsl |
| Zinc | 7440-66-6 | 813 / 813 | 16 | 9,700 | mg/kg dw | na | 9,700 | 52.6 / 98.5 | 10,000 nc | no | bsl |

^a Background concentrations obtained from joint Ecology/PSAMP 1998 study entitled "Sediment Quality in Puget Sound. Year 2- Central Puget Sound" (Ecology 2000). Reported concentrations are mean and maximum from 52 sediment samples collected from the following areas: South Port Townsend, Port Townsend, North Admiralty Inlet, South Admiralty Inlet, Possession Sound, Central Basin, Port Madison, West Point, East Passage, Liberty Bay, Keyport, Northwest Bainbridge Island, Southwest Bainbridge Island, Rich Passage, Port Orchard, and Port Washington Narrows

^b Risk-based concentrations (RBCs) are derived from EPA Region 9 Preliminary Remediation Goals (PRGs) for industrial soil (last updated October 1999). PRGs associated with a non-cancer endpoint (abbreviated "nc") were divided by 10 for this screening, reflecting the different target hazard quotients used in Region 9 (HQ = 1) and Region 10 (HQ = 0.1). All other RBCs were not modified for this screening. Abbreviations: ca = cancer endpoint, nc = non-cancer endpoint.

^c Less than 10% (3 of 53) of reporting limits for 1,2,3-trichloropropane exceed the RBC.

^d Less than 10% (3 of 53) of reporting limits for 1,2-dibromoethane exceed the RBC.

^e While a reference dose of 0.004 is provided in IRIS for 2-methylnaphthalene, no RBC is available from the EPA Region 9 RBC tables. It should also be noted that if an RBC was calculated using the guidance provided by EPA, the maximum value for 2-methylnaphthalene would be well under the RBC and thus would not screen in as a COPC.

^f Less than 10% (1 of 940) of reporting limits for 3,3-dichlorobenzidine exceed the RBC.

^g Less than 10% (1 of 1,013) of reporting limits for 4,6-dinitro-o-cresol exceed the RBC.

^h RBC for acenaphthylene is from acenaphthene.

ⁱ RBC for alpha-chlordane is from chlordane.

^j RBC for alpha-endosulfan is from endosulfan.

^k RBC for beta-endosulfan is from endosulfan.

^l Less than 10% (55 of 1,066) of reporting limits for bis(2-chloroethyl)ether exceed the RBC.

^m Less than 10% (3 of 72) of reporting limits for bromomethane exceed the RBC.

ⁿ RBC for carcinogenic PAHs is from benzo(a)pyrene.

^o Less than 10% (3 of 72) of reporting limits for chloroethane exceed the RBC.

^p Less than 10% (3 of 72) of reporting limits for chloroform exceed the RBC.

Table 1, continued

| | |
|----|---|
| q | RBC for chromium is from chromium VI. |
| r | RBC for DDTs (total calc'd) is from 4,4-DDT. |
| s | Less than 10% (3 of 72) of reporting limits for dibromochloromethane exceed the RBC. |
| t | RBC for Dioxin/Furan TEQ is from 2,3,7,8-TCDD. |
| u | RBC for endrin aldehyde is from endrin. |
| v | RBC for endrin ketone is from endrin. |
| w | RBC for gamma-chlordane is from chlordane. |
| x | Less than 10% (1 of 405) of reporting limits for heptachlor epoxide exceed the RBC. |
| y | Less than 10% (12 of 1,142) of reporting limits for hexachlorobenzene exceed the RBC. |
| z | Less than 10% (3 of 53) of reporting limits for methacrylonitrile exceed the RBC. |
| aa | Less than 10% (100 of 1,066) of reporting limits for n-nitroso-di-n-propylamine exceed the RBC. |
| ab | RBC for PCB TEQ is from 2,3,7,8-TCDD. |
| ac | Statistics for this congener reflect only those samples that were determined not to co-elute with other congeners. When no statistics are given, "na" will appear in place of statistics, meaning that all samples co-eluted with another congener. |
| ad | RBC for PCB (total calc'd) is from Aroclor 1254. |
| ae | Less than 10% (1 of 1,118) of reporting limits for pentachlorophenol exceed the RBC. |
| af | RBC for total chlordane (calc'd) is from chlordane. |
| ag | RBC for tributyltin as ion is from RBC for tributyltin oxide multiplied by 0.49 to account for differences in molecular weight. |
| ah | Less than 10% (3 of 72) of reporting limits for trichloroethene exceed the RBC. |
| ai | Less than 10% (3 of 72) of reporting limits for vinyl chloride exceed the RBC. |

Abbreviations:

COPC – chemical of potential concern

nd – not detected

na – not applicable

HPAH – high-molecular-weight polycyclic aromatic hydrocarbon

LPAH – low-molecular-weight polycyclic aromatic hydrocarbon

C – concentration represents coelution

J – estimated value

asl – above screening level (selected as COPC)

bsl – below screening level (not selected as COPC)

ifd – infrequent detection (not selected as COPC)

ntx – no toxicity information (not selected as COPC)

sum – chemical included in sum and is not evaluated separately

teq – chemical included in TEQ calculation and is not evaluated separately

Lower Duwamish Waterway Group

Port of Seattle / City of Seattle / King County / The Boeing Company

FINAL

LDW RI: Baseline HHRA
Attachment 1
November 12, 2007
Page 14

Table 2. Occurrence and selection of chemicals of potential concern for intertidal sediment in the beach play and clamming exposure scenarios

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 3,200 ca | no | bsl |
| 1,1,1-Trichloroethane | 71-55-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 120,000 nc | no | bsl |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 410 ca | no | bsl |
| 1,1,2-Trichloroethane | 79-00-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 730 ca | no | bsl |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 74 | 74 | not eval. | 560,000 nc | no | bsl |
| 1,1-Dichloroacetone | 513-88-2 | 0 / 6 | nd | nd | ug/kg dw | 4.7 - 37 | 37 | not eval. | na | no | ntx |
| 1,1-Dichloroethane | 75-34-3 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 51,000 nc | no | bsl |
| 1,1-Dichloroethene | 75-35-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 7.4 | 7.4 | not eval. | 12,000 nc | no | bsl |
| 1,1-Dichloropropene | 563-58-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| 1,2,3,4,6,7,8-HpCDD | 35822-46-9 | 17 / 17 | 41.4 J | 73,700 | ng/kg dw | na - na | 74,000 | not eval. | na | no | ntx |
| 1,2,3,4,6,7,8-HpCDF | 67562-39-4 | 16 / 17 | 6.71 | 40,300 | ng/kg dw | 7.7 - 7.7 | 40,000 | not eval. | na | no | ntx |
| 1,2,3,4,7,8,9-HpCDF | 55673-89-7 | 14 / 17 | 0.421 J | 3,720 | ng/kg dw | 0.77 - 2.8 | 3,700 | not eval. | na | no | ntx |
| 1,2,3,4,7,8-HxCDD | 39227-28-6 | 12 / 17 | 0.382 J | 124 | ng/kg dw | 0.86 - 4.4 | 120 | not eval. | na | no | ntx |
| 1,2,3,4,7,8-HxCDF | 70648-26-9 | 14 / 17 | 0.694 J | 2,530 | ng/kg dw | 1.2 - 3.6 | 2,500 | not eval. | na | no | ntx |
| 1,2,3,6,7,8-HxCDD | 57653-85-7 | 15 / 17 | 1.73 J | 3,400 | ng/kg dw | 2.4 - 2.6 | 3,400 | not eval. | na | no | ntx |
| 1,2,3,6,7,8-HxCDF | 57117-44-9 | 12 / 17 | 0.335 J | 365 | ng/kg dw | 0.51 - 4.3 | 370 | not eval. | na | no | ntx |
| 1,2,3,7,8,9-HxCDD | 19408-74-3 | 15 / 17 | 1.19 J | 315 | ng/kg dw | 2.1 - 2.2 | 320 | not eval. | na | no | ntx |
| 1,2,3,7,8,9-HxCDF | 72918-21-9 | 12 / 17 | 0.0730 J | 33.8 J | ng/kg dw | 0.15 - 2.4 | 34 | not eval. | na | no | ntx |
| 1,2,3,7,8-PeCDD | 40321-76-4 | 12 / 17 | 0.284 J | 57.1 | ng/kg dw | 0.53 - 4.1 | 57 | not eval. | na | no | ntx |
| 1,2,3,7,8-PeCDF | 57117-41-6 | 12 / 17 | 0.214 J | 69.3 | ng/kg dw | 0.28 - 2.8 | 69 | not eval. | na | no | ntx |
| 1,2,3-Trichlorobenzene | 87-61-6 | 0 / 7 | nd | nd | ug/kg dw | 3.7 - 6.6 | 6.6 | not eval. | na | no | ntx |
| 1,2,3-Trichloropropane | 96-18-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 18 | 18 | not eval. | 34 ca | no | bsl |
| 1,2,4-Trichlorobenzene | 120-82-1 | 0 / 312 | nd | nd | ug/kg dw | 0.33 - 290 | 290 | not eval. | 6,200 nc | no | bsl |
| 1,2,4-Trimethylbenzene | 95-63-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 5,200 nc | no | bsl |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 0 / 7 | nd | nd | ug/kg dw | 7.4 - 17 | 17 | not eval. | 460 ca | no | bsl |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 32 ca | no | bsl |
| 1,2-Dichlorobenzene | 95-50-1 | 1 / 312 | 22 J | 22 J | ug/kg dw | 0.33 - 290 | 290 | not eval. | 60,000 nc | no | bsl |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| 1,2-Dichloroethane | 107-06-2 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 280 ca | no | bsl |
| 1,2-Dichloropropane | 78-87-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 340 ca | no | bsl |
| 1,2-Diphenylhydrazine | 122-66-7 | 0 / 33 | nd | nd | ug/kg dw | 13 - 170 | 170 | not eval. | 610 ca | no | bsl |
| 1,3,5-Trimethylbenzene | 108-67-8 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 2,100 nc | no | bsl |
| 1,3-Dichlorobenzene | 541-73-1 | 1 / 306 | 2.5 J | 2.5 J | ug/kg dw | 0.33 - 290 | 290 | not eval. | 53,000 nc | no | bsl |
| 1,3-Dichloropropane | 142-28-9 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 10,000 nc | no | bsl |
| 1,4-Dichlorobenzene | 106-46-7 | 10 / 312 | 3.4 J | 1,300 | ug/kg dw | 0.16 - 290 | 1,300 | not eval. | 3,400 ca | no | bsl |
| 1-Chlorobutane | 109-69-3 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 48,000 nc | no | bsl |
| 1-Methylnaphthalene | 90-12-0 | 13 / 13 | 1.9 J | 32 | ug/kg dw | na - na | 32 | not eval. | na | no | ntx |
| 2,2-Dichloropropane | 594-20-7 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| 2,3,4,6,7,8-HxCDF | 60851-34-5 | 12 / 17 | 0.307 J | 302 J | ng/kg dw | 0.44 - 2.5 | 300 | not eval. | na | no | ntx |
| 2,3,4,7,8-PeCDF | 57117-31-4 | 12 / 17 | 0.392 J | 230 | ng/kg dw | 0.44 - 5.4 | 230 | not eval. | na | no | ntx |
| 2,3,7,8-TCDD | 1746-01-6 | 11 / 17 | 0.0890 J | 30.6 | ng/kg dw | 0.46 - 1.1 | 31 | not eval. | 3.9 ca | no | bsl |
| 2,3,7,8-TCDF | 51207-31-9 | 15 / 17 | 0.426 J | 89.6 | ng/kg dw | 0.81 - 0.91 | 90 | not eval. | na | no | ntx |
| 2,4,5-Trichlorophenol | 95-95-4 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 2,000 | 2,000 | not eval. | 610,000 nc | no | bsl |
| 2,4,6-Trichlorophenol | 88-06-2 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 2,000 | 2,000 | not eval. | 610 nc | no | ifd ^c |
| 2,4'-DDD | 53-19-0 | 4 / 53 | 1.6 J | 10 J | ug/kg dw | 0.97 - 34 | 34 | not eval. | na | no | ntx |
| 2,4'-DDE | 3424-82-6 | 2 / 53 | 2.8 J | 11 | ug/kg dw | 0.97 - 34 | 34 | not eval. | na | no | ntx |
| 2,4'-DDT | 789-02-6 | 23 / 53 | 0.24 J | 11 | ug/kg dw | 1.9 - 460 | 460 | not eval. | na | no | ntx |
| 2,4-Dichlorophenol | 120-83-2 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 1,400 | 1,400 | not eval. | 18,000 nc | no | bsl |
| 2,4-Dimethylphenol | 105-67-9 | 1 / 310 | 290 J | 290 J | ug/kg dw | 6.3 - 500 | 500 | not eval. | 120,000 nc | no | bsl |
| 2,4-Dinitrophenol | 51-28-5 | 0 / 280 | nd | nd | ug/kg dw | 16 - 2,900 | 2,900 | not eval. | 12,000 nc | no | bsl |
| 2,4-Dinitrotoluene | 121-14-2 | 0 / 282 | nd | nd | ug/kg dw | 3.8 - 1,400 | 1,400 | not eval. | 12,000 nc | no | bsl |
| 2,6-Dinitrotoluene | 606-20-2 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 1,400 | 1,400 | not eval. | 6,100 nc | no | bsl |
| 2-Chloronaphthalene | 91-58-7 | 0 / 286 | nd | nd | ug/kg dw | 8.6 - 290 | 290 | not eval. | 490,000 nc | no | bsl |
| 2-Chlorophenol | 95-57-8 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 290 | 290 | not eval. | 6,300 nc | no | bsl |
| 2-Chlorotoluene | 95-49-8 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 16,000 nc | no | bsl |
| 2-Hexanone | 591-78-6 | 0 / 7 | nd | nd | ug/kg dw | 4.7 - 7.4 | 7.4 | not eval. | na | no | ntx |
| 2-Methylnaphthalene | 91-57-6 | 67 / 314 | 1.0 J | 1,400 | ug/kg dw | 1.0 - 290 | 1,400 | not eval. | na | no | ntx |
| 2-Methylphenol | 95-48-7 | 1 / 317 | 32 | 32 | ug/kg dw | 6.3 - 290 | 290 | not eval. | 310,000 nc | no | bsl |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| 2-Nitroaniline | 88-74-4 | 0 / 280 | nd | nd | ug/kg dw | 16 - 2,000 | 2,000 | not eval. | 18,000 nc | no | bsl |
| 2-Nitrophenol | 88-75-5 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 2,000 | 2,000 | not eval. | na | no | ntx |
| 2-Nitropropane | 79-46-9 | 0 / 7 | nd | nd | ug/kg dw | 12 - 18 | 18 | not eval. | na | no | ntx |
| 3,3'-Dichlorobenzidine | 91-94-1 | 0 / 268 | nd | nd | ug/kg dw | 31 - 1,400 | 1,400 | not eval. | 1,100 ca | no | ifd ^d |
| 3-Nitroaniline | 99-09-2 | 0 / 275 | nd | nd | ug/kg dw | 18 - 1,400 | 1,400 | not eval. | 1,800 nc | no | bsl |
| 4,4'-DDD | 72-54-8 | 28 / 75 | 0.30 J | 840 | ug/kg dw | 0.98 - 540 | 840 | not eval. | 2,400 ca | no | sum |
| 4,4'-DDE | 72-55-9 | 19 / 75 | 0.28 J | 370 J | ug/kg dw | 0.97 - 800 | 800 | not eval. | 1,700 ca | no | sum |
| 4,4'-DDT | 50-29-3 | 27 / 75 | 0.48 J | 1,700 | ug/kg dw | 1.0 - 34 | 1,700 | not eval. | 1,700 ca | no | sum |
| 4,6-Dinitro-o-cresol | 534-52-1 | 0 / 280 | nd | nd | ug/kg dw | 16 - 2,900 | 2,900 | not eval. | 610 nc | yes | asl |
| 4-Bromophenyl phenyl ether | 101-55-3 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 290 | 290 | not eval. | na | no | ntx |
| 4-Chloro-3-methylphenol | 59-50-7 | 1 / 280 | 6.4 J | 6.4 J | ug/kg dw | 8.6 - 1,400 | 1,400 | not eval. | na | no | ntx |
| 4-Chloroaniline | 106-47-8 | 0 / 275 | nd | nd | ug/kg dw | 8.6 - 1,400 | 1,400 | not eval. | 24,000 nc | no | bsl |
| 4-Chlorophenyl phenyl ether | 7005-72-3 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 290 | 290 | not eval. | na | no | ntx |
| 4-Chlorotoluene | 106-43-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| 4-Methylphenol | 106-44-5 | 37 / 321 | 8.7 J | 444 | ug/kg dw | 8.6 - 290 | 440 | not eval. | 31,000 nc | no | bsl |
| 4-Nitroaniline | 100-01-6 | 0 / 275 | nd | nd | ug/kg dw | 16 - 1,400 | 1,400 | not eval. | 23,000 ca | no | bsl |
| 4-Nitrophenol | 100-02-7 | 0 / 280 | nd | nd | ug/kg dw | 16 - 1,400 | 1,400 | not eval. | na | no | ntx |
| Acenaphthene | 83-32-9 | 107 / 318 | 1.0 J | 3,900 | ug/kg dw | 1.8 - 290 | 3,900 | not eval. | 370,000 nc | no | bsl |
| Acenaphthylene | 208-96-8 | 58 / 314 | 1.3 J | 240 | ug/kg dw | 1.8 - 290 | 290 | not eval. | 370,000 nc ^e | no | bsl |
| Acetone | 67-64-1 | 3 / 7 | 110 J | 1,000 J | ug/kg dw | 24 - 150 | 1,000 | not eval. | 1,400,000 nc | no | bsl |
| Acid volatile sulfides | na | 6 / 11 | 97 J | 4,800 | mg/kg dw | 48 - 55 | 4,800 | not eval. | na | no | ntx |
| Aldrin | 309-00-2 | 3 / 75 | 0.014 J | 0.81 J | ug/kg dw | 0.81 - 17 | 17 | not eval. | 29 ca | no | bsl |
| Allyl chloride | 107-05-1 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 1,700 nc | no | bsl |
| alpha-BHC | 319-84-6 | 3 / 75 | 0.14 J | 1.8 J | ug/kg dw | 0.81 - 17 | 17 | not eval. | 90 ca | no | bsl |
| alpha-Chlordane | 5103-71-9 | 10 / 62 | 0.10 J | 36 | ug/kg dw | 0.81 - 17 | 36 | not eval. | 1,600 ca ^f | no | bsl |
| alpha-Endosulfan | 959-98-8 | 9 / 60 | 0.18 J | 71 J | ug/kg dw | 0.96 - 100 | 100 | not eval. | 37,000 nc ^g | no | bsl |
| Aluminum | 7429-90-5 | 130 / 130 | 3,800 | 110,000 | mg/kg dw | na - na | 110,000 | 12,000 / 21,000 | 7,600 nc | yes | asl |
| Ammonia (total as nitrogen) | 7664-41-7 | 75 / 77 | 0.73 | 29.8 | mg-N/kg | 0.11 - 0.12 | 29.8 | not eval. | na | no | ntx |
| Aniline | 62-53-3 | 0 / 121 | nd | nd | ug/kg dw | 18 - 290 | 290 | not eval. | 85,000 ca | no | bsl |
| Anthracene | 120-12-7 | 170 / 318 | 2.0 | 4,400 | ug/kg dw | 5 - 290 | 4,400 | not eval. | 2,200,000 nc | no | bsl |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| Antimony | 7440-36-0 | 53 / 177 | 0.09 J | 110 J | mg/kg dw | 0.2 - 31 | 110 | 0.23 / 0.44 | 3.1 nc | yes | asl |
| Aroclor-1016 | 12674-11-2 | 0 / 415 | nd | nd | ug/kg dw | 0.87 - 3,400 | 3,400 | not eval. | 390 nc | no | sum, teq |
| Aroclor-1221 | 11104-28-2 | 0 / 333 | nd | nd | ug/kg dw | 1.9 - 5,500 | 5,500 | not eval. | na | no | ntx |
| Aroclor-1232 | 11141-16-5 | 0 / 333 | nd | nd | ug/kg dw | 0.87 - 3,400 | 3,400 | not eval. | na | no | ntx |
| Aroclor-1242 | 53469-21-9 | 27 / 414 | 7.8 J | 2,700 | ug/kg dw | 0.87 - 6,100 | 6,100 | not eval. | na | no | ntx |
| Aroclor-1248 | 12672-29-6 | 66 / 419 | 13 | 220,000 | ug/kg dw | 0.87 - 3,400 | 220,000 | not eval. | na | no | ntx |
| Aroclor-1254 | 11097-69-1 | 286 / 417 | 2.2 | 110,000 | ug/kg dw | 1.3 - 4,300 | 110,000 | not eval. | 220 ca | no | sum, teq |
| Aroclor-1254/1260 | na | 2 / 2 | 37 | 800 | ug/kg dw | na - na | 800 | not eval. | na | no | ntx |
| Aroclor-1260 | 11096-82-5 | 294 / 417 | 1.2 J | 38,000 | ug/kg dw | 2.5 - 15,000 | 38,000 | not eval. | na | no | ntx |
| Aroclor-1262 | 37324-23-5 | 2 / 6 | 270 | 840 | ug/kg dw | 3.3 - 20 | 840 | not eval. | na | no | ntx |
| Aroclor-1268 | 11100-14-4 | 1 / 5 | 460 J | 460 J | ug/kg dw | 3.3 - 20 | 460 | not eval. | na | no | ntx |
| Arsenic | 7440-38-2 | 302 / 330 | 1.2 | 1,100 | mg/kg dw | 3 - 31 | 1,100 | 5.03 / 10.4 | 0.39 ca | yes | asl |
| Barium | 7440-39-3 | 116 / 116 | 9.40 | 3,500 | mg/kg dw | na - na | 3,500 | 24 / 55.5 | 540 nc | yes | asl |
| Benzaldehyde | 100-52-7 | 0 / 4 | nd | nd | ug/kg dw | 170 - 170 | 170 | not eval. | 610,000 nc | no | bsl |
| Benzene | 71-43-2 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 640 ca | no | bsl |
| Benzidine | 92-87-5 | 0 / 5 | nd | nd | ug/kg dw | 760 - 1,700 | 1,700 | not eval. | 2.1 ca | yes | asl |
| Benzo(a)anthracene | 56-55-3 | 275 / 318 | 3.6 J | 8,400 | ug/kg dw | 6.6 - 200 | 8,400 | not eval. | 620 ca | no | teq |
| Benzo(a)pyrene | 50-32-8 | 275 / 314 | 5.8 J | 7,900 | ug/kg dw | 6.6 - 350 | 7,900 | not eval. | 62 ca | no | teq |
| Benzo(b)fluoranthene | 205-99-2 | 283 / 313 | 4.6 | 8,200 | ug/kg dw | 6.6 - 140 | 8,200 | not eval. | 620 ca | no | teq |
| Benzo(e)pyrene | 192-97-2 | 13 / 13 | 16 | 1,300 | ug/kg dw | na - na | 1,300 | not eval. | na | no | ntx |
| Benzo(g,h,i)perylene | 191-24-2 | 235 / 316 | 6.1 | 3,800 | ug/kg dw | 10 - 350 | 3,800 | not eval. | na | no | ntx |
| Benzo(k)fluoranthene | 207-08-9 | 269 / 313 | 8.4 | 8,800 | ug/kg dw | 3.8 - 200 | 8,800 | not eval. | 6,200 ca | no | teq |
| Benzo(a)fluoranthenes (total) | 56832-73-6 | 284 / 313 | 4.6 | 17,000 | ug/kg dw | 19 - 140 | 17,000 | not eval. | na | no | ntx |
| Benzoic acid | 65-85-0 | 40 / 318 | 54 J | 4,500 | ug/kg dw | 13 - 2,900 | 4,500 | not eval. | 10,000,000 nc | no | bsl |
| Benzyl alcohol | 100-51-6 | 9 / 314 | 8.2 J | 670 | ug/kg dw | 7.5 - 690 | 690 | not eval. | 1,800,000 nc | no | bsl |
| Beryllium | 7440-41-7 | 122 / 132 | 0.10 | 0.60 J | mg/kg dw | 0.10 - 0.70 | 0.70 | not eval. | 15 nc | no | bsl |
| beta-BHC | 319-85-7 | 4 / 75 | 0.087 J | 13 | ug/kg dw | 0.81 - 17 | 17 | not eval. | 320 ca | no | bsl |
| beta-Endosulfan | 33213-65-9 | 3 / 62 | 0.47 J | 10 J | ug/kg dw | 0.81 - 200 | 200 | not eval. | 37,000 nc ^h | no | sum |
| Biphenyl | 92-52-4 | 13 / 13 | 0.86 J | 33 | ug/kg dw | na - na | 33 | not eval. | 300,000 nc | no | bsl |
| bis(2-chloroethoxy)methane | 111-91-1 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 400 | 400 | not eval. | na | no | ntx |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| bis(2-chloroethyl)ether | 111-44-4 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 290 | 290 | not eval. | 220 ca | yes | asl |
| bis(2-chloroisopropyl)ether | 108-60-1 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 400 | 400 | not eval. | 2,900 ca | no | bsl |
| Bis(2-ethylhexyl)phthalate | 117-81-7 | 260 / 318 | 5.4 | 14,000 | ug/kg dw | 15 - 870 | 14,000 | not eval. | 35,000 ca | no | bsl |
| Bromobenzene | 108-86-1 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 2,800 nc | no | bsl |
| Bromochloromethane | 74-97-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| Bromodichloromethane | 75-27-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 820 ca | no | bsl |
| Bromoform | 75-25-2 | 0 / 7 | nd | nd | ug/kg dw | 4.7 - 7.4 | 7.4 | not eval. | 62,000 ca | no | bsl |
| Bromomethane | 74-83-9 | 0 / 7 | nd | nd | ug/kg dw | 12 - 18 | 18 | not eval. | 390 nc | no | bsl |
| Butyl benzyl phthalate | 85-68-7 | 116 / 314 | 2.4 | 6,900 J | ug/kg dw | 1.8 - 290 | 6,900 | not eval. | 1,200,000 nc | no | bsl |
| Butyltin (total) | na | 0 / 4 | nd | nd | ug/kg dw | 15 - 20 | 20 | not eval. | na | no | ntx |
| C1-Chrysenes | 3001965 | 13 / 13 | 12 | 980 | ug/kg dw | na - na | 980 | not eval. | na | no | ntx |
| C1-Dibenzothiophenes | 3001957 | 11 / 13 | 4.6 J | 59 | ug/kg dw | 5.0 - 5.0 | 59 | not eval. | na | no | ntx |
| C1-Fluoranthene/Pyrene | 3001964 | 12 / 13 | 18 | 2,600 | ug/kg dw | 4.9 - 4.9 | 2,600 | not eval. | na | no | ntx |
| C1-Fluorenes | 3001954 | 5 / 13 | 4.5 J | 150 | ug/kg dw | 5.0 - 7.8 | 150 | not eval. | na | no | ntx |
| C1-Phenanthrenes/anthracenes | 3001960 | 13 / 13 | 8.0 | 1,700 | ug/kg dw | na - na | 1,700 | not eval. | na | no | ntx |
| C2-Chrysenes | 3001966 | 13 / 13 | 8.1 | 370 | ug/kg dw | na - na | 370 | not eval. | na | no | ntx |
| C2-Dibenzothiophenes | 3001958 | 10 / 13 | 4.3 J | 190 | ug/kg dw | 5.0 - 5.4 | 190 | not eval. | na | no | ntx |
| C2-Fluorenes | 3001955 | 9 / 13 | 5.1 | 250 | ug/kg dw | 5.0 - 5.4 | 250 | not eval. | na | no | ntx |
| C2-Naphthalenes | 3001951 | 13 / 13 | 6.2 | 100 | ug/kg dw | na - na | 100 | not eval. | na | no | ntx |
| C2-Phenanthrenes/anthracenes | 3001961 | 13 / 13 | 8.5 | 840 | ug/kg dw | na - na | 840 | not eval. | na | no | ntx |
| C3-Chrysenes | 3001967 | 13 / 13 | 7.3 | 210 | ug/kg dw | na - na | 210 | not eval. | na | no | ntx |
| C3-Dibenzothiophenes | 3001959 | 11 / 13 | 7.6 | 130 | ug/kg dw | 4.9 - 5.0 | 130 | not eval. | na | no | ntx |
| C3-Fluorenes | 3001956 | 11 / 13 | 5.2 | 220 | ug/kg dw | 5.0 - 5.0 | 220 | not eval. | na | no | ntx |
| C3-Naphthalenes | 3001952 | 13 / 13 | 4.4 J | 310 | ug/kg dw | na - na | 310 | not eval. | na | no | ntx |
| C3-Phenanthrenes/anthracenes | 3001962 | 13 / 13 | 6.8 | 420 | ug/kg dw | na - na | 420 | not eval. | na | no | ntx |
| C4-Chrysenes | 3001968 | 10 / 13 | 7.8 | 78 | ug/kg dw | 4.9 - 5.0 | 78 | not eval. | na | no | ntx |
| C4-Naphthalenes | 3001953 | 13 / 13 | 6.0 | 250 | ug/kg dw | na - na | 250 | not eval. | na | no | ntx |
| C4-Phenanthrenes/anthracenes | 3001963 | 13 / 13 | 5.6 | 150 | ug/kg dw | na - na | 150 | not eval. | na | no | ntx |
| Cadmium | 7440-43-9 | 195 / 321 | 0.030 J | 120 | mg/kg dw | 0.040 - 2.5 | 120 | 0.36 / 1.12 | 3.7 nc | yes | asl |
| Caffeine | 58-08-2 | 0 / 13 | nd | nd | ug/kg dw | 6.8 - 12 | 12 | not eval. | na | no | ntx |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| Calcium | 7440-70-2 | 116 / 116 | 2,000 | 30,000 J | mg/kg dw | na - na | 30,000 | not eval. | na | no | ntx |
| Caprolactam | 105-60-2 | 0 / 4 | nd | nd | ug/kg dw | 830 - 870 | 870 | not eval. | 3,100,000 nc | no | bsl |
| Carbazole | 86-74-8 | 124 / 286 | 3.2 J | 2,100 | ug/kg dw | 8.8 - 290 | 2,100 | not eval. | 24,000 ca | no | bsl |
| Carbon disulfide | 75-15-0 | 1 / 7 | 4.0 J | 4.0 J | ug/kg dw | 4.7 - 7.4 | 7.4 | not eval. | 36,000 nc | no | bsl |
| Carbon tetrachloride | 56-23-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 250 ca | no | bsl |
| Carcinogenic PAHs - Mammal - Half DL | na | 297 / 318 | 9.1 J | 11,000 | ug/kg dw | na - na | 11,000 | not eval. | 62 ca ⁱ | yes | asl |
| Chlordane | 57-74-9 | 2 / 13 | 40.0 | 62 | ug/kg dw | 7.7 - 21 | 62 | not eval. | na | no | ntx |
| Chlorobenzene | 108-90-7 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 15,000 nc | no | bsl |
| Chloroethane | 75-00-3 | 0 / 7 | nd | nd | ug/kg dw | 4.7 - 18 | 18 | not eval. | 3,000 ca | no | bsl |
| Chloroform | 67-66-3 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 220 ca | no | bsl |
| Chloromethane | 74-87-3 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 18 | 18 | not eval. | 4,700 nc | no | bsl |
| Chromium | 7440-47-3 | 330 / 330 | 4.8 | 1,100 J | mg/kg dw | na - na | 1,100 | not eval. | 1.6 ca ^j | yes | asl |
| Chrysene | 218-01-9 | 290 / 318 | 12 J | 7,700 | ug/kg dw | 5 - 170 | 7,700 | not eval. | 62,000 ca | no | bsl |
| cis-1,2-Dichloroethene | 156-59-2 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 4,300 nc | no | bsl |
| cis-1,3-Dichloropropene | 10061-01-5 | 0 / 7 | nd | nd | ug/kg dw | 2.5 - 3.9 | 3.9 | not eval. | na | no | ntx |
| cis-Nonachlor | 5103-73-1 | 0 / 25 | nd | nd | ug/kg dw | 1.9 - 330 | 330 | not eval. | na | no | ntx |
| Cobalt | 7440-48-4 | 206 / 206 | 2.82 | 37 J | mg/kg dw | na - na | 37 | not eval. | 900 ca | no | bsl |
| Copper | 7440-50-8 | 330 / 330 | 5 | 12,000 J | mg/kg dw | na - na | 12,000 | 21.3 / 50.8 | 310 nc | yes | asl |
| Coprostanol | 360-68-9 | 8 / 29 | 367 J | 5,700 | ug/kg dw | 18 - 450 | 5,700 | not eval. | na | no | ntx |
| Total DDTs | na | 34 / 75 | 0.72 J | 2,900 J | ug/kg dw | 1.5 - 800 | 2,900 | not eval. | 1,700 ca ^k | yes | asl |
| delta-BHC | 319-86-8 | 3 / 66 | 0.081 J | 11 | ug/kg dw | 0.81 - 17 | 17 | not eval. | na | no | ntx |
| Dibenzo(a,h)anthracene | 53-70-3 | 133 / 318 | 1.6 J | 1,500 | ug/kg dw | 1.0 - 850 | 1,500 | not eval. | 62 ca | no | teq |
| Dibenzofuran | 132-64-9 | 88 / 317 | 1.0 J | 4,200 | ug/kg dw | 1.7 - 290 | 4,200 | not eval. | 15,000 nc | no | bsl |
| Dibenzothiophene | 132-65-0 | 13 / 13 | 0.81 J | 150 | ug/kg dw | na - na | 150 | not eval. | na | no | ntx |
| Dibromochloromethane | 124-48-1 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 7.4 | 7.4 | not eval. | 1,100 ca | no | bsl |
| Dibromomethane | 74-95-3 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 6,700 nc | no | bsl |
| Dibutyltin as ion | 1002-53-5 | 43 / 52 | 0.39 J | 57 | ug/kg dw | 1.0 - 10 | 57 | not eval. | na | no | ntx |
| Dichlorodifluoromethane | 75-71-8 | 0 / 2 | nd | nd | ug/kg dw | 3.0 - 3.3 | 3.3 | not eval. | 9,400 nc | no | bsl |
| Dichloromethane | 75-09-2 | 0 / 7 | nd | nd | ug/kg dw | 12 - 18 | 18 | not eval. | 9,100 ca | no | bsl |
| Dieldrin | 60-57-1 | 6 / 75 | 0.099 J | 280 | ug/kg dw | 0.81 - 91 | 280 | not eval. | 30 ca | yes | asl |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-------------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| Diethyl ether | 60-29-7 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 7.4 | 7.4 | not eval. | 180,000 nc | no | bsl |
| Diethyl phthalate | 84-66-2 | 23 / 318 | 2.0 J | 130 | ug/kg dw | 1.8 - 290 | 290 | not eval. | 4,900,000 nc | no | bsl |
| Dimethyl phthalate | 131-11-3 | 49 / 314 | 2.0 J | 200 | ug/kg dw | 1.8 - 290 | 290 | not eval. | 10,000,000 nc | no | bsl |
| Di-n-butyl phthalate | 84-74-2 | 85 / 314 | 3.0 J | 3,600 | ug/kg dw | 1.8 - 210 | 3,600 | not eval. | 610,000 nc | no | bsl |
| Di-n-octyl phthalate | 117-84-0 | 21 / 318 | 1.8 | 798 | ug/kg dw | 1.8 - 870 | 870 | not eval. | 240,000 nc | no | bsl |
| Dioxin/furan TEQ - Mammal - Half DL | na | 17 / 17 | 1.59 J | 2,100 J | ng/kg dw | na - na | 2,100 | not eval. | 3.9 ca ^l | yes | asl |
| Endosulfan | 115-29-7 | 1 / 15 | 0.11 J | 0.11 J | ug/kg dw | 0.81 - 3.4 | 3.4 | not eval. | 37,000 nc | no | bsl |
| Endosulfan sulfate | 1031-07-8 | 3 / 73 | 0.63 J | 25 | ug/kg dw | 0.97 - 200 | 200 | not eval. | na | no | ntx |
| Endrin | 72-20-8 | 4 / 75 | 0.99 J | 9.1 | ug/kg dw | 0.81 - 200 | 200 | not eval. | 1,800 nc | no | bsl |
| Endrin aldehyde | 7421-93-4 | 6 / 69 | 0.28 J | 130 | ug/kg dw | 0.97 - 250 | 250 | not eval. | 1,800 nc ^m | no | bsl |
| Endrin ketone | 53494-70-5 | 5 / 62 | 1.2 J | 110 J | ug/kg dw | 0.97 - 200 | 200 | not eval. | 1,800 nc ⁿ | no | bsl |
| Ethyl methacrylate | 97-63-2 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 14,000 nc | no | bsl |
| Ethylbenzene | 100-41-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 40,000 nc | no | bsl |
| Fluoranthene | 206-44-0 | 304 / 318 | 18 | 24,000 | ug/kg dw | 10 - 340 | 24,000 | not eval. | 230,000 nc | no | bsl |
| Fluorene | 86-73-7 | 114 / 318 | 1.4 J | 5,500 | ug/kg dw | 1.8 - 290 | 5,500 | not eval. | 270,000 nc | no | bsl |
| gamma-BHC | 58-89-9 | 7 / 75 | 0.050 J | 6.7 J | ug/kg dw | 0.81 - 17 | 17 | not eval. | 440 ca | no | bsl |
| gamma-Chlordane | 5103-74-2 | 18 / 62 | 0.20 J | 200 | ug/kg dw | 0.96 - 96 | 200 | not eval. | 1,600 ca ^o | no | bsl |
| Heptachlor | 76-44-8 | 2 / 75 | 0.12 J | 0.89 J | ug/kg dw | 0.81 - 70 | 70 | not eval. | 110 ca | no | bsl |
| Heptachlor epoxide | 1024-57-3 | 2 / 75 | 1.0 | 1.0 | ug/kg dw | 0.62 - 510 | 510 | not eval. | 53 ca | no | ifd ^p |
| Hexachlorobenzene | 118-74-1 | 20 / 315 | 0.4 J | 63 | ug/kg dw | 0.11 - 200 | 200 | not eval. | 300 ca | no | bsl |
| Hexachlorobutadiene | 87-68-3 | 0 / 314 | nd | nd | ug/kg dw | 0.94 - 270 | 270 | not eval. | 6,200 ca | no | bsl |
| Hexachlorocyclopentadiene | 77-47-4 | 0 / 273 | nd | nd | ug/kg dw | 34 - 2,000 | 2,000 | not eval. | 37,000 nc | no | bsl |
| Hexachloroethane | 67-72-1 | 0 / 301 | nd | nd | ug/kg dw | 2.4 - 290 | 290 | not eval. | 35,000 ca | no | bsl |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 260 / 316 | 6.5 | 4,300 | ug/kg dw | 6.4 - 200 | 4,300 | not eval. | 620 ca | no | teq |
| Iodomethane | 74-88-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| Iron | 7439-89-6 | 128 / 128 | 8,100 | 160,000 | mg/kg dw | na - na | 160,000 | 17,500/28,700 | 2,300 nc | yes | asl |
| Isophorone | 78-59-1 | 1 / 286 | 430 | 430 | ug/kg dw | 8.6 - 290 | 430 | not eval. | 510,000 ca | no | bsl |
| Isopropylbenzene | 98-82-8 | 0 / 7 | nd | nd | ug/kg dw | 3.7 - 17 | 17 | not eval. | 57,000 nc | no | bsl |
| Lead | 7439-92-1 | 330 / 330 | 2 | 23,000 | mg/kg dw | na - na | 23,000 | 15 / 45 | 40 nc | yes | asl |
| Magnesium | 7439-95-4 | 117 / 117 | 2,000 | 12,000 J | mg/kg dw | na - na | 12,000 | not eval. | na | no | ntx |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| Manganese | 7439-96-5 | 130 / 130 | 78.0 | 3,300 | mg/kg dw | na - na | 3,300 | 279 / 1,010 | 180 nc | yes | asl |
| Mercury | 7439-97-6 | 257 / 325 | 0.021 | 4.6 J | mg/kg dw | 0.020 - 0.1 | 4.6 | 0.0981 / 0.327 | 2.3 nc | yes | asl |
| Methacrylonitrile | 126-98-7 | 0 / 7 | nd | nd | ug/kg dw | 7.4 - 17 | 17 | not eval. | 210 nc | no | bsl |
| Methoxychlor | 72-43-5 | 8 / 75 | 0.34 J | 99 | ug/kg dw | 0.97 - 170 | 170 | not eval. | 31,000 nc | no | bsl |
| Methyl acrylate | 96-33-3 | 0 / 7 | nd | nd | ug/kg dw | 7.4 - 17 | 17 | not eval. | 7,000 nc | no | bsl |
| Methyl ethyl ketone | 78-93-3 | 1 / 7 | 17 | 17 | ug/kg dw | 4.7 - 7.4 | 17 | not eval. | 2,200,000 nc | no | bsl |
| Methyl isobutyl ketone | 108-10-1 | 0 / 7 | nd | nd | ug/kg dw | 4.7 - 7.4 | 7.4 | not eval. | 530,000 nc | no | bsl |
| Methyl methacrylate | 80-62-6 | 0 / 7 | nd | nd | ug/kg dw | 3.7 - 6.6 | 6.6 | not eval. | 220,000 nc | no | bsl |
| Methylmercury | 22967-92-6 | 4 / 4 | 0.040 J | 5.6 | ug/kg dw | na - na | 5.60 | not eval. | 610 nc | no | bsl |
| Mirex | 2385-85-5 | 1 / 53 | 1.0 J | 1.0 J | ug/kg dw | 0.97 - 34 | 34 | not eval. | 270 ca | no | bsl |
| Molybdenum | 7439-98-7 | 105 / 119 | 0.390 J | 49 | mg/kg dw | 1.2 - 5.3 | 49 | not eval. | 39 nc | yes | asl |
| Monobutyltin as ion | 78763-54-9 | 36 / 42 | 0.12 J | 17 J | ug/kg dw | 3.8 - 45 | 45 | not eval. | na | no | ntx |
| Naphthalene | 91-20-3 | 69 / 314 | 3.0 J | 1,300 | ug/kg dw | 1.0 - 290 | 1,300 | not eval. | 5,600 nc | no | bsl |
| n-Butylbenzene | 104-51-8 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 24,000 nc | no | bsl |
| Nickel | 7440-02-0 | 300 / 300 | 5 | 910 | mg/kg dw | na - na | 910 | 26.8 / 41.7 | 160 nc | yes | asl |
| Nitrobenzene | 98-95-3 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 290 | 290 | not eval. | 2,000 nc | no | bsl |
| n-Nitrosodimethylamine | 62-75-9 | 0 / 132 | nd | nd | ug/kg dw | 31 - 1,000 | 1,000 | not eval. | 9.5 ca | yes | asl |
| n-Nitroso-di-n-propylamine | 621-64-7 | 0 / 282 | nd | nd | ug/kg dw | 8.6 - 1,400 | 1,400 | not eval. | 69 ca | yes | asl |
| n-Nitrosodiphenylamine | 86-30-6 | 11 / 314 | 6.6 | 95 | ug/kg dw | 1.8 - 290 | 290 | not eval. | 99,000 ca | no | bsl |
| n-Propylbenzene | 103-65-1 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 24,000 nc | no | bsl |
| OCDD | 3268-87-9 | 17 / 17 | 297 J | 241,000 | ng/kg dw | na - na | 240,000 | not eval. | na | no | ntx |
| OCDF | 39001-02-0 | 17 / 17 | 12.5 | 93,700 | ng/kg dw | na - na | 94,000 | not eval. | na | no | ntx |
| Oxychlorane | 27304138 | 0 / 25 | nd | nd | ug/kg dw | 1.9 - 34 | 34 | not eval. | na | no | ntx |
| PCB TEQ - Mammal - Half DL | na | 34 / 34 | 0.0908 J | 1,380 | ng/kg dw | na - na | 1,380 | not eval. | 3.9 ca ^q | yes | asl |
| PCB-018 | 37680-65-2 | 5 / 34 | 1,000 J | 170,000 J | ng/kg dw | 1,000 - 24,000 | 170,000 | not eval. | na | no | ntx |
| PCB-028 | 7012-37-5 | 12 / 43 | 1,000 J | 160,000 J | ng/kg dw | 1,000 - 2,000 | 160,000 | not eval. | na | no | ntx |
| PCB-044 | 41464-39-5 | 17 / 43 | 1,000 J | 190,000 J | ng/kg dw | 1,000 - 1,000 | 190,000 | not eval. | na | no | ntx |
| PCB-055 | 74338-24-2 | 25 / 43 | 1,000 J | 890,000 J | ng/kg dw | 1,000 - 2,000 | 890,000 | not eval. | na | no | ntx |
| PCB-066 | 32598-10-0 | 69 / 77 | 73.6 | 3,060,000 | ng/kg dw | 1,000 - 250,000 | 3,100,000 | not eval. | na | no | ntx |
| PCB-077 | 32598-13-3 | 48 / 182 | 10.4 | 80,500 | ng/kg dw | 110 - 15,000 | 81,000 | not eval. | na | no | ntx |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| PCB-081 | 70362-50-4 | 34 / 77 | 0.396 J | 6,970 | ng/kg dw | 1,000 - 1,000 | 7,000 | not eval. | na | no | ntx |
| PCB-090 | 68194-07-0 | 34 / 34 | 180 C | 11,700,000 C | ng/kg dw | na - na | 11,700,000 | not eval. | na | no | ntx |
| PCB-101 ^r | 37680-73-2 | 160 / 181 | na | 5,600,000 J | ng/kg dw | 160 - 5,000 | 5,600,000 | not eval. | na | no | ntx |
| PCB-105 | 32598-14-4 | 125 / 181 | 61.4 | 3,660,000 | ng/kg dw | 130 - 1,000 | 3,700,000 | not eval. | na | no | ntx |
| PCB-110 | 38380-03-9 | 124 / 139 | 220 J | 14,500,000 C | ng/kg dw | 130 - 1,200 | 14,500,000 | not eval. | na | no | ntx |
| PCB-113 ^r | 68194-10-5 | 34 / 34 | na | na | ng/kg dw | na - na | na | not eval. | na | no | ntx |
| PCB-114 | 74472-37-0 | 38 / 77 | 2.75 | 207,000 | ng/kg dw | 1,000 - 12,000 | 210,000 | not eval. | na | no | ntx |
| PCB-115 ^r | 74472-38-1 | 34 / 34 | na | na | ng/kg dw | na - na | na | not eval. | na | no | ntx |
| PCB-118 | 31508-00-6 | 131 / 181 | 154 | 12,000,000 | ng/kg dw | 120 - 8,300 | 12,000,000 | not eval. | na | no | ntx |
| PCB-123 | 65510-44-3 | 34 / 77 | 2.79 | 138,000 | ng/kg dw | 1,000 - 31,000 | 140,000 | not eval. | na | no | ntx |
| PCB-126 | 57465-28-8 | 34 / 181 | 0.758 J | 7,980 | ng/kg dw | 100 - 4,000 | 8,000 | not eval. | na | no | ntx |
| PCB-128 | 38380-07-3 | 71 / 147 | 350 J | 620,000 J | ng/kg dw | 140 - 13,000 | 620,000 | not eval. | na | no | ntx |
| PCB-129 | 55215-18-4 | 34 / 34 | 320 C | 14,000,000 C | ng/kg dw | na - na | 14,000,000 | not eval. | na | no | ntx |
| PCB-138 ^r | 35065-28-2 | 163 / 182 | na | 1,400,000 | ng/kg dw | 130 - 5,000 | 1,400,000 | not eval. | na | no | ntx |
| PCB-153 | 35065-27-1 | 158 / 181 | 258 C | 9,090,000 C | ng/kg dw | 130 - 4,400 | 9,100,000 | not eval. | na | no | ntx |
| PCB-156 | 38380-08-4 | 80 / 182 | 27.5 C | 1,790,000 C | ng/kg dw | 80 - 1,000 | 1,800,000 | not eval. | na | no | ntx |
| PCB-157 ^r | 69782-90-7 | 59 / 180 | na | 56,000 | ng/kg dw | 80 - 27,000 | 56,000 | not eval. | na | no | ntx |
| PCB-160 ^r | 41411-62-5 | 34 / 34 | na | na | ng/kg dw | na - na | na | not eval. | na | no | ntx |
| PCB-163 ^r | 74472-44-9 | 34 / 34 | na | na | ng/kg dw | na - na | na | not eval. | na | no | ntx |
| PCB-167 | 52663-72-6 | 41 / 77 | 10.6 | 515,000 | ng/kg dw | 1,000 - 1,000 | 520,000 | not eval. | na | no | ntx |
| PCB-168 ^r | 59291-65-5 | 34 / 34 | na | na | ng/kg dw | na - na | na | not eval. | na | no | ntx |
| PCB-169 | 32774-16-6 | 0 / 182 | nd | nd | ng/kg dw | 0.399 - 1,900 | 1,900 | not eval. | na | no | ntx |
| PCB-170 | 35065-30-6 | 90 / 148 | 190 J | 360,000 | ng/kg dw | 80 - 12,000 | 360,000 | not eval. | na | no | ntx |
| PCB-180 | 35065-29-3 | 138 / 182 | 155 C | 1,600,000 C | ng/kg dw | 110 - 4,900 | 1,600,000 | not eval. | na | no | ntx |
| PCB-187 | 52663-68-0 | 29 / 43 | 1,000 | 360,000 J | ng/kg dw | 1,000 - 1,000 | 360,000 | not eval. | na | no | ntx |
| PCB-189 | 39635-31-9 | 48 / 182 | 3.06 | 65,700 | ng/kg dw | 110 - 5,000 | 66,000 | not eval. | na | no | ntx |
| PCB-193 ^r | 69782-91-8 | 34 / 34 | na | na | ng/kg dw | na - na | na | not eval. | na | no | ntx |
| PCB-195 | 52663-78-2 | 8 / 43 | 1,000 J | 49,000 J | ng/kg dw | 1,000 - 1,000 | 49,000 | not eval. | na | no | ntx |
| PCB-206 | 40186-72-9 | 6 / 43 | 1,000 J | 21,000 J | ng/kg dw | 1,000 - 1,000 | 21,000 | not eval. | na | no | ntx |
| PCB-209 | 2051-24-3 | 3 / 43 | 1,000 | 1,000 | ng/kg dw | 1,000 - 1,000 | 1,000 | not eval. | na | no | ntx |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| PCBs (total calc'd) | na | 481 / 524 | 2.2 J | 220,000 | ug/kg dw | 5 - 40 | 220,000 | not eval. | 220 ca ^s | yes | asl |
| PCBs + PCTs (total) | na | 105 / 105 | 2.2 | 26,000 | ug/kg dw | na - na | 26,000 | not eval. | na | no | ntx |
| PCTs (total) | na | 81 / 107 | 2.2 J | 5,600 | ug/kg dw | 1.7 - 8.1 | 5,600 | not eval. | na | no | ntx |
| p-Cymene | 99-87-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| Pentachloroethane | 76-01-7 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 7.4 | 7.4 | not eval. | na | no | ntx |
| Pentachlorophenol | 87-86-5 | 8 / 291 | 14 J | 410 | ug/kg dw | 6.3 - 1,700 | 1,700 | not eval. | 3,000 ca | no | bsl |
| Perylene | 198-55-0 | 13 / 13 | 9.0 | 230 | ug/kg dw | na - na | 230 | not eval. | na | no | ntx |
| Phenanthrene | 85-01-8 | 275 / 318 | 7.1 | 28,000 | ug/kg dw | 5 - 200 | 28,000 | not eval. | na | no | ntx |
| Phenol | 108-95-2 | 84 / 321 | 10 J | 2,800 | ug/kg dw | 7.3 - 300 | 2,800 | not eval. | 1,800,000 nc | no | bsl |
| Potassium | 7440-09-7 | 119 / 119 | 380 | 11,000 | mg/kg dw | na - na | 11,000 | not eval. | na | no | ntx |
| Pyrene | 129-00-0 | 300 / 318 | 7 J | 16,000 | ug/kg dw | 18 - 170 | 16,000 | not eval. | 230,000 nc | no | bsl |
| Retene | 483-65-8 | 2 / 4 | 99 J | 100 J | ug/kg dw | 340 - 350 | 350 | not eval. | na | no | ntx |
| sec-Butylbenzene | 135-98-8 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| Selenium | 7782-49-2 | 69 / 225 | 0.2 J | 20 | mg/kg dw | 1.0 - 34 | 34 | not eval. | 39 nc | no | bsl |
| Silver | 7440-22-4 | 158 / 318 | 0.020 | 270 | mg/kg dw | 0.046 - 5 | 270 | 0.28 / 0.74 | 39 nc | yes | asl |
| Sodium | 7440-23-5 | 114 / 114 | 580 | 21,000 | mg/kg dw | na - na | 21,000 | not eval. | na | no | ntx |
| Styrene | 100-42-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 170,000 nc | no | bsl |
| Sulfides (total) | na | 42 / 102 | 4.0 J | 1,500 J | mg/kg dw | 0.68 - 46 | 1,500 | not eval. | na | no | ntx |
| tert-Butyl methyl ether | 1634-04-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 7.4 | 7.4 | not eval. | 32,000 ca | no | bsl |
| tert-Butylbenzene | 98-06-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 39,000 nc | no | bsl |
| Tetrabutyltin as ion | 1461-25-2 | 3 / 43 | 0.56 J | 2.0 J | ug/kg dw | 1.0 - 15 | 15 | not eval. | na | no | ntx |
| Tetrachloroethene | 127-18-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 480 ca | no | bsl |
| Thallium | 7440-28-0 | 87 / 225 | 0.010 J | 30 | mg/kg dw | 0.032 - 53 | 53 | 0.252 / 1.79 | 0.52 nc | yes | asl |
| Tin | 7440-31-5 | 15 / 43 | 2.0 J | 11 J | mg/kg dw | 1.0 - 7.0 | 11 | not eval. | 4,700 nc | no | bsl |
| Toluene | 108-88-3 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 52,000 nc | no | bsl |
| Total aldrin/dieldrin (calc'd) | na | 8 / 75 | 0.113 J | 280 | ug/kg dw | 0.81 - 91 | 280 | not eval. | na | no | ntx |
| Total chlordane (calc'd) | na | 20 / 62 | 0.20 J | 230 | ug/kg dw | 1.0 - 330 | 330 | not eval. | 1,600 ca ^t | no | bsl |
| Total HPAH (calc'd) | na | 310 / 318 | 20 | 85,000 | ug/kg dw | 19 - 120 | 85,000 | not eval. | na | no | ntx |
| Total HpCDD | 37871-00-4 | 5 / 5 | 120 | 1,300 | ng/kg dw | na - na | 1,300 | not eval. | na | no | ntx |
| Total HpCDF | 38998-75-3 | 5 / 5 | 18 | 430 | ng/kg dw | na - na | 430 | not eval. | na | no | ntx |

Table 2, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RESIDENTIAL RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-----------------------------|-------------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------------|------------|--------------------------------------|
| Total HxCDD | 34465-46-8 | 5 / 5 | 12 | 200 | ng/kg dw | na - na | 200 | not eval. | na | no | ntx |
| Total HxCDF | 55684-94-1 | 5 / 5 | 9.7 | 170 | ng/kg dw | na - na | 170 | not eval. | na | no | ntx |
| Total LPAH (calc'd) | na | 278 / 318 | 9.1 J | 43,000 | ug/kg dw | 19 - 200 | 43,000 | not eval. | na | no | ntx |
| Total PAH (calc'd) | na | 311 / 318 | 20 | 128,000 | ug/kg dw | 19 - 120 | 128,000 | not eval. | na | no | ntx |
| Total PeCDD | 36088-22-9 | 0 / 5 | nd | nd | ng/kg dw | 1.4 - 8.5 | 8.5 | not eval. | na | no | ntx |
| Total PeCDF | 30402-15-4 | 4 / 5 | 5.3 | 64 | ng/kg dw | 3.9 - 3.9 | 64 | not eval. | na | no | ntx |
| Total TCDD | na | 4 / 5 | 0.95 | 16 | ng/kg dw | 0.76 - 0.76 | 16 | not eval. | na | no | ntx |
| Total TCDF | 30402-14-3 | 5 / 5 | 3.0 | 51 | ng/kg dw | na - na | 51 | not eval. | na | no | ntx |
| Total Xylenes (calc'd) | na | 0 / 7 | nd | nd | ug/kg dw | 4.7 - 7.4 | 7.4 | not eval. | na | no | bsl |
| Toxaphene | 8001-35-2 | 2 / 73 | 340 J | 6,300 J | ug/kg dw | 10 - 4,300 | 6,300 | not eval. | 440 ca | yes | asl |
| TPH | na | 29 / 29 | 130 | 23,000 | mg/kg dw | na - na | 23,000 | not eval. | na | no | ntx |
| trans-1,2-Dichloroethene | 156-60-5 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 6,900 nc | no | bsl |
| trans-1,3-Dichloropropene | 10061-02-6 | 0 / 7 | nd | nd | ug/kg dw | 3.5 - 6.2 | 6.2 | not eval. | na | no | ntx |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 0 / 6 | nd | nd | ug/kg dw | 12 - 18 | 18 | not eval. | na | no | ntx |
| trans-Nonachlor | 39765-80-5 | 0 / 25 | nd | nd | ug/kg dw | 1.9 - 34 | 34 | not eval. | na | no | ntx |
| Tributyltin as ion | 688-73-3 | 47 / 53 | 0.28 J | 99 | ug/kg dw | 3.7 - 5.0 | 99 | not eval. | 900 nc ^u | no | bsl |
| Trichloroethene | 79-01-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | 53 ca | no | bsl |
| Trichlorofluoromethane | 75-69-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 74 | 74 | not eval. | 39,000 nc | no | bsl |
| Vanadium | 7440-62-2 | 206 / 206 | 15 | 87 | mg/kg dw | na - na | 87 | 36 / 59.6 | 7.8 nc | yes | asl |
| Vinyl chloride | 75-01-4 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 18 | 18 | not eval. | 79 ca | no | bsl |
| Xylene (meta & para) | 108-38-3/106-42-3 | 0 / 7 | nd | nd | ug/kg dw | 4.7 - 7.4 | 7.4 | not eval. | na | no | ntx |
| Xylene (ortho) | 95-47-6 | 0 / 7 | nd | nd | ug/kg dw | 2.4 - 3.7 | 3.7 | not eval. | na | no | ntx |
| Zinc | 7440-66-6 | 328 / 328 | 16 | 9,700 | mg/kg dw | na - na | 9,700 | 52.6 / 98.5 | 2,300 nc | yes | asl |

^a Background concentrations obtained from joint Ecology/PSAMP 1998 study entitled "Sediment Quality in Puget Sound. Year 2- Central Puget Sound" (Ecology 2000). Reported concentrations are mean and maximum from 52 sediment samples collected from the following areas: South Port Townsend, Port Townsend, North Admiralty Inlet, South Admiralty Inlet, Possession Sound, Central Basin, Port Madison, West Point, East Passage, Liberty Bay, Keyport, Northwest Bainbridge Island, Southwest Bainbridge Island, Rich Passage, Port Orchard, and Port Washington Narrows

^b Risk-based concentrations (RBCs) are derived from EPA Region 9 Preliminary Remediation Goals (PRGs) for residential soil (last updated October 2004). PRGs associated with a non-cancer endpoint (abbreviated "nc") were divided by 10 for this screening, reflecting the different target hazard quotients used in Region 9 (HQ = 1) and Region 10 (HQ = 0.1). All other RBCs were not modified for this screening. Abbreviations: ca = cancer endpoint, nc = non-cancer endpoint.

^c Less than 10% (29 of 414) of reporting limits for 2,4,6-trichlorophenol exceed the RBC.

^d Less than 10% (1 of 390) of reporting limits for 3,3-dichlorobenzidine exceed the RBC.

Table 2, continued

- ^e RBC for acenaphthylene is from acenaphthene.
- ^f RBC for alpha-chlordane is from chlordane.
- ^g RBC for alpha-endosulfan is from endosulfan.
- ^h RBC for beta-endosulfan is from endosulfan.
- ⁱ RBC for carcinogenic PAHs is from benzo(a)pyrene.
- ^j RBC for chromium is from chromium VI.
- ^k RBC for DDTs (total calc'd) is from 4,4-DDT.
- ^l RBC for Dioxin/Furan TEQ is from 2,3,7,8-TCDD.
- ^m RBC for endrin aldehyde is from endrin.
- ⁿ RBC for endrin ketone is from endrin.
- ^o RBC for gamma-chlordane is from chlordane.
- ^p Less than 10% (2 of 171) of reporting limits for heptachlor epoxide exceed the RBC.
- ^q RBC for PCB TEQ is from 2,3,7,8-TCDD.
- ^r Statistics for this congener reflect only those samples that were determined not to co-elute with other congeners. When no statistics are given, "na" will appear in place of statistics, meaning that all samples co-eluted with another congener.
- ^s RBC for PCBs (total calc'd) is from Aroclor 1254.
- ^t RBC for total chlordane (calc'd) is from chlordane.
- ^u RBC for tributyltin ion is the RBC for tributyltin oxide multiplied by 0.49 to account for differences in molecular weight.

Abbreviations:

COPC – chemical of potential concern

nd – not detected

n/a – not applicable

HPAH – high-molecular-weight polycyclic aromatic hydrocarbon

LPAH – low-molecular-weight polycyclic aromatic hydrocarbon

C – concentration represents coelution

J – estimated value

asl – above screening level (selected as COPC)

bsl – below screening level (not selected as COPC)

ifd – infrequent detection (not selected as COPC)

nsd – no significant difference between mean background and mean detected concentrations

ntx – no toxicity information (not selected as COPC)

sum – chemical included in sum and is not evaluated separately

teq – chemical included in TEQ calculation and is not evaluated separately

Table 3. Occurrence and selection of chemicals of potential concern for tissue in the seafood consumption exposure scenario

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| 1,2,4-Trichlorobenzene | 120-82-1 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 580 | 580 | not eval. | 870 nc | no | bsl |
| 1,2-Dichlorobenzene | 95-50-1 | 0 / 145 | nd | nd | µg/kg ww | 9 – 580 | 580 | not eval. | 7,800 nc | no | bsl |
| 1,2-Diphenylhydrazine | 122-66-7 | 0 / 35 | nd | nd | µg/kg ww | 3.6 – 80 | 80 | not eval. | 1.0 ca | yes | asl |
| 1,3-Dichlorobenzene | 541-73-1 | 0 / 145 | nd | nd | µg/kg ww | 9 – 580 | 580 | not eval. | 260 nc | yes | asl |
| 1,4-Dichlorobenzene | 106-46-7 | 0 / 145 | nd | nd | µg/kg ww | 9 – 580 | 580 | not eval. | 34 ca | yes | asl |
| 2,4,5-Trichlorophenol | 95-95-4 | 0 / 145 | nd | nd | µg/kg ww | 18 – 15,000 | 15,000 | not eval. | 8,700 nc | no | ifd ^c |
| 2,4,6-Trichlorophenol | 88-06-2 | 0 / 145 | nd | nd | µg/kg ww | 18 – 15,000 | 15,000 | not eval. | 75 ca | yes | asl |
| 2,4'-DDD | na | 30 / 110 | 1.6 JN | 57 JN | µg/kg ww | 1.0 – 88 | 88 | not eval. | na | no | ntx |
| 2,4'-DDE | na | 3 / 110 | 3.2 JN | 110 JN | µg/kg ww | 0.8 – 18 | 110 | not eval. | na | no | ntx |
| 2,4'-DDT | na | 108 / 110 | 2.1 JN | 440 JN | µg/kg ww | 3.2 – 3.5 | 440 | not eval. | na | no | ntx |
| 2,4-Dichlorophenol | 120-83-2 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 1,200 | 1,200 | not eval. | 260 nc | yes | asl |
| 2,4-Dimethylphenol | 105-67-9 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 1,200 | 1,200 | not eval. | 1,700 nc | no | bsl |
| 2,4-Dinitrophenol | 51-28-5 | 0 / 130 | nd | nd | µg/kg ww | 31 – 29,000 | 29,000 | not eval. | 170 nc | yes | asl |
| 2,4-Dinitrotoluene | 121-14-2 | 0 / 145 | nd | nd | µg/kg ww | 6 – 15,000 | 15,000 | not eval. | 170 nc | yes | asl |
| 2,6-Dinitrotoluene | 606-20-2 | 0 / 145 | nd | nd | µg/kg ww | 6 – 15,000 | 15,000 | not eval. | 87 nc | yes | asl |
| 2-Chloronaphthalene | 91-58-7 | 0 / 145 | nd | nd | µg/kg ww | 9 – 2,900 | 2,900 | not eval. | 6,900 nc | no | bsl |
| 2-Chlorophenol | 95-57-8 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 1,200 | 1,200 | not eval. | 430 nc | yes | asl |
| 2-Methylnaphthalene | 91-57-6 | 87 / 145 | 0.41 J | 10 | µg/kg ww | 0.24 – 64 | 64 | not eval. | 350 nc | no | bsl |
| 2-Methylphenol | 95-48-7 | 19 / 145 | 28 | 1,100 J | µg/kg ww | 3.6 – 1,200 | 1,200 | not eval. | 4,300 nc | no | bsl |
| 2-Nitroaniline | na | 0 / 145 | nd | nd | µg/kg ww | 7.1 – 15,000 | 15,000 | not eval. | na | no | ntx |
| 2-Nitrophenol | na | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 5,200 | 5,200 | not eval. | na | no | ntx |
| 3,3'-Dichlorobenzidine | 91-94-1 | 0 / 112 | nd | nd | µg/kg ww | 27 – 29,000 | 29,000 | not eval. | 1.8 ca | yes | asl |
| 3-Nitroaniline | 99-09-2 | 0 / 124 | nd | nd | µg/kg ww | 3.6 – 29,000 | 29,000 | not eval. | 41 ca | yes | asl |
| 4,4'-DDD | 72-54-8 | 82 / 130 | 0.23 JN | 20 JN | µg/kg ww | 0.8 – 7.2 | 20 | not eval. | 3.4 ca | no | sum |
| 4,4'-DDE | 72-55-9 | 100 / 130 | 0.70 JN | 20 JN | µg/kg ww | 1.0 – 14 | 20 | not eval. | 2.4 ca | no | sum |
| 4,4'-DDT | 50-29-3 | 110 / 130 | 0.84 JN | 470 JN | µg/kg ww | 1.3 – 2.0 | 470 | not eval. | 2.4 ca | no | sum |
| 4,6-Dinitro-o-cresol | 534-52-1 | 0 / 145 | nd | nd | µg/kg ww | 31 – 29,000 | 29,000 | not eval. | 8.7 nc | yes | asl |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|-----------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|-------------------------|------------|--------------------------------------|
| 4-Bromophenyl phenyl ether | na | 0 / 143 | nd | nd | µg/kg ww | 6 – 580 | 580 | not eval. | na | no | ntx |
| 4-Chloro-3-methylphenol | na | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 2,900 | 2,900 | not eval. | na | no | ntx |
| 4-Chloroaniline | 106-47-8 | 0 / 113 | nd | nd | µg/kg ww | 36 – 2,900 | 2,900 | not eval. | 350 nc | yes | asl |
| 4-Chlorophenyl phenyl ether | na | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 2,900 | 2,900 | not eval. | na | no | ntx |
| 4-Methylphenol | 106-44-5 | 8 / 145 | 15 J | 1,500 | µg/kg ww | 3.6 – 1,200 | 1,500 | not eval. | 430 nc | yes | asl |
| 4-Nitroaniline | 100-01-6 | 0 / 133 | nd | nd | µg/kg ww | 18 – 29,000 | 29,000 | not eval. | 41 ca | yes | asl |
| 4-Nitrophenol | na | 2 / 145 | 530 J | 530 J | µg/kg ww | 31 – 29,000 | 29,000 | not eval. | na | no | ntx |
| Acenaphthene | 83-32-9 | 104 / 145 | 0.13 J | 22 | µg/kg ww | 0.72 – 16 | 22 | not eval. | 5,200 nc | no | bsl |
| Acenaphthylene | 208-96-8 | 88 / 145 | 0.13 J | 2.8 | µg/kg ww | 0.26 – 24 | 24 | not eval. | 5,200 nc ^d | no | bsl |
| Aldrin | 309-00-2 | 5 / 130 | 0.77 JN | 6.2 JN | µg/kg ww | 0.50 – 10 | 10 | not eval. | 0.048 ca | yes | asl |
| alpha-BHC | 319-84-6 | 7 / 130 | 0.35 JN | 1.2 JNM | µg/kg ww | 0.50 – 10 | 10 | not eval. | 0.13 ca | yes | asl |
| alpha-Chlordane | 5103-71-9 | 31 / 119 | 0.60 JN | 6.6 JN | µg/kg ww | 0.50 – 10 | 10 | not eval. | 2.3 ca ^e | no | sum |
| alpha-Endosulfan | 959-98-8 | 34 / 130 | 0.34 JN | 6.6 JN | µg/kg ww | 0.50 – 10 | 10 | not eval. | 520 nc ^f | no | bsl |
| Aniline | 62-53-3 | 0 / 132 | nd | nd | µg/kg ww | 53 – 12,000 | 12,000 | not eval. | 140 ca | yes | asl |
| Anthracene | 120-12-7 | 103 / 145 | 0.090 J | 9.0 | µg/kg ww | 0.41 – 24 | 24 | not eval. | 26,000 nc | no | bsl |
| Antimony | 7440-36-0 | 102 / 142 | 0.0009 J | 0.252 | mg/kg ww | 0.0079 – 0.020 | 0.25 | not eval. | 0.035 nc | yes | asl |
| Aroclor-1016 | 12674-11-2 | 0 / 212 | nd | nd | µg/kg ww | 5.3 – 200 | 200 | not eval. | 12 ca | no | sum |
| Aroclor-1016/1242 | na | 9 / 9 | 5.6 J | 16 J | µg/kg ww | na | 16 | not eval. | na | no | ntx |
| Aroclor-1221 | 11104-28-2 | 0 / 212 | nd | nd | µg/kg ww | 5.3 – 290 | 290 | not eval. | 0.41 ca | no | sum |
| Aroclor-1232 | 11141-16-5 | 0 / 212 | nd | nd | µg/kg ww | 5.3 – 200 | 200 | not eval. | 0.41 ca | no | sum |
| Aroclor-1242 | 53469-21-9 | 0 / 212 | nd | nd | µg/kg ww | 5.3 – 200 | 200 | not eval. | 0.41 ca | no | sum |
| Aroclor-1248 | 12672-29-6 | 97 / 221 | 9.0 | 4,400 | µg/kg ww | 0.21 – 200 | 4,400 | not eval. | 0.41 ca | no | sum |
| Aroclor-1254 | 11097-69-1 | 214 / 221 | 16 | 7,600 | µg/kg ww | 13 – 20 | 7,600 | not eval. | 0.41 ca | no | sum |
| Aroclor-1260 | 11096-82-5 | 184 / 221 | 22 | 7,100 | µg/kg ww | 10 – 20 | 7,100 | not eval. | 0.41 ca | no | sum |
| Arsenic | 7440-38-2 | 148 / 148 | 0.274 | 15 | mg/kg ww | na | 15 | 7.7 | 0.00055 ca | no | other ^g |
| Arsenic (inorganic) | na | 42 / 46 | 0.003 | 3.27 | mg/kg ww | 0.003 – 0.010 | 3.3 | not eval. | 0.00055 ca ^h | yes | asl |
| Benzidine | 92-87-5 | 0 / 77 | nd | nd | µg/kg ww | 5,000 – 72,000 | 72,000 | not eval. | 0.0036 ca | yes | asl |
| Benzo(a)anthracene | 56-55-3 | 101 / 145 | 0.069 J | 42 | µg/kg ww | 0.36 – 24 | 42 | not eval. | 1.1 ca | no | teq |
| Benzo(a)pyrene | 50-32-8 | 58 / 145 | 0.13 J | 26 | µg/kg ww | 0.36 – 40 | 40 | not eval. | 0.11 ca | no | teq |
| Benzo(b)fluoranthene | 205-99-2 | 73 / 145 | 0.12 J | 44 | µg/kg ww | 0.36 – 64 | 64 | not eval. | 1.1 ca | no | teq |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|----------------------|------------|--------------------------------------|
| Benzo(g,h,i)perylene | na | 56 / 145 | 0.16 J | 32 | µg/kg ww | 0.16 – 40 | 40 | not eval. | na | no | ntx |
| Benzo(k)fluoranthene | 207-08-9 | 70 / 145 | 0.16 | 38 | µg/kg ww | 0.36 – 64 | 64 | not eval. | 11 ca | no | teq |
| Benzo(a)fluoranthene (total-calc'd) | na | 73 / 145 | 0.12 J | 82 | µg/kg ww | 0.36 – 64 | 82 | not eval. | na | no | ntx |
| Benzoic acid | 65-85-0 | 78 / 145 | 340 J | 54,000 | µg/kg ww | 36 – 12,000 | 54,000 | 65 | 350,000 nc | no | bsl |
| Benzyl alcohol | 100-51-6 | 23 / 145 | 12 J | 610 | µg/kg ww | 3.6 – 1,200 | 1,200 | 14 | 26,000 nc | no | bsl |
| beta-BHC | 319-85-7 | 37 / 130 | 0.41 JN | 15 JN | µg/kg ww | 0.50 – 10 | 15 | not eval. | 0.46 ca | yes | asl |
| beta-Endosulfan | 33213-65-9 | 23 / 130 | 2.0 JN | 44 JN | µg/kg ww | 0.8 – 11 | 44 | not eval. | 520 nc ⁱ | no | bsl |
| bis(2-chloroethoxy)methane | na | 1 / 145 | 240 J | 240 J | µg/kg ww | 3.6 – 2,900 | 2,900 | not eval. | na | no | ntx |
| bis(2-chloroethyl)ether | 111-44-4 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 1,200 | 1,200 | not eval. | 0.75 ca | yes | asl |
| bis(2-chloroisopropyl)ether | 108-60-1 | 0 / 145 | nd | nd | µg/kg ww | 11 – 580 | 580 | not eval. | 12 ca | yes | asl |
| Bis(2-ethylhexyl)phthalate | 117-81-7 | 22 / 145 | 28 | 2,100 J | µg/kg ww | 3.6 – 3,600 | 3,600 | 140 | 59 ca | yes | asl |
| Butyl benzyl phthalate | 85-68-7 | 20 / 142 | 300 | 1,700 M | µg/kg ww | 9 – 1,200 | 1,700 | not eval. | 430 ca | yes | asl |
| Cadmium | 7440-43-9 | 130 / 142 | 0.0013 J | 0.84 | mg/kg ww | 0.0042 – 0.0079 | 0.84 | not eval. | 0.087 nc | yes | asl |
| Caffeine | na | 0 / 32 | nd | nd | µg/kg ww | 3.1 – 8.0 | 8.0 | not eval. | na | no | ntx |
| Carbazole | 86-74-8 | 2 / 145 | 6,000 | 14,000 | µg/kg ww | 3.6 – 2,900 | 14,000 | not eval. | 41 ca | yes | asl |
| Carcinogenic PAHs – mammal – full DL | na | 104 / 145 | 0.33 | 59 | µg/kg ww | na | 85 | not eval. | na | no | ntx |
| Carcinogenic PAHs – mammal – half DL | na | 104 / 145 | 0.33 | 44 | µg/kg ww | na | 44 | not eval. | 0.11 ca ^j | yes | asl |
| Carcinogenic PAHs – mammal – zero DL | na | 104 / 145 | 0.0 JM | 44 | µg/kg ww | na | 44 | not eval. | na | no | ntx |
| Chlordane | 57-74-9 | 0 / 11 | nd | nd | µg/kg ww | 6.7 – 6.7 | 6.7 | not eval. | 2.3 ca | no | sum |
| Chromium | 7440-47-3 | 92 / 142 | 0.054 | 3.74 | mg/kg ww | 0.03 – 0.14 | 3.7 | not eval. | 0.26 nc ^k | yes | asl |
| Chrysene | 218-01-9 | 102 / 145 | 0.12 J | 85 | µg/kg ww | 0.36 – 24 | 85 | not eval. | 110 ca | no | bsl |
| Cobalt | na | 121 / 121 | 0.0037 J | 0.7110 | mg/kg ww | na | 0.7110 | not eval. | na | no | ntx |
| Copper | 7440-50-8 | 148 / 148 | 0.18 | 24 M | mg/kg ww | na | 24 | 0.31 | 3.5 nc | yes | asl |
| Coprostanol | na | 0 / 35 | nd | nd | µg/kg ww | 60 – 180 | 180 | not eval. | na | no | ntx |
| DDTs (total-calc'd) | na | 117 / 130 | 1.1 | 1,020 JN | µg/kg ww | 1.3 – 2.0 | 1,000 | 0.77 | 2.4 ca ^l | yes | asl |
| delta-BHC | na | 3 / 130 | 0.51 JN | 2.2 JN | µg/kg ww | 0.50 – 10 | 10 | not eval. | na | no | ntx |
| Dibenzo(a,h)anthracene | 53-70-3 | 28 / 145 | 0.12 J | 5.1 | µg/kg ww | 0.18 – 64 | 64 | not eval. | 0.11 ca | no | teq |
| Dibenzofuran | na | 106 / 145 | 0.097 J | 9.5 | µg/kg ww | 0.11 – 40 | 40 | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|---------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------|------------|--------------------------------------|
| Dibutyltin as ion | na | 94 / 120 | 0.53 J | 17 | µg/kg ww | 1.5 – 3.9 | 17 | not eval. | na | no | ntx |
| Dieldrin | 60-57-1 | 6 / 130 | 1.3 JN | 5.0 JN | µg/kg ww | 1.0 – 24 | 24 | not eval. | 0.051 ca | yes | asl |
| Diethyl phthalate | 84-66-2 | 37 / 145 | 9.5 J | 900 J | µg/kg ww | 3.6 – 1,200 | 1,200 | not eval. | 69,000 nc | no | bsl |
| Dimethyl phthalate | na | 5 / 145 | 7.6 J | 424 JM | µg/kg ww | 3.6 – 2,900 | 2,900 | not eval. | na | no | ntx |
| Di-n-butyl phthalate | 84-74-2 | 9 / 145 | 19 J | 2,300 | µg/kg ww | 3.6 – 1,200 | 2,300 | not eval. | 8,700 nc | no | bsl |
| Di-n-octyl phthalate | na | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 2,900 | 2,900 | not eval. | na | no | ntx |
| Endosulfan sulfate | na | 0 / 130 | nd | nd | µg/kg ww | 0.8 – 10 | 10 | not eval. | 33 nc ^m | no | bsl |
| Endrin | 72-20-8 | 26 / 130 | 0.10 JN | 40 JN | µg/kg ww | 0.8 – 72 | 72 | not eval. | 26 nc | yes | asl |
| Endrin aldehyde | 7421-93-4 | 18 / 130 | 0.42 JN | 78 JN | µg/kg ww | 0.8 – 10 | 78 | not eval. | 26 nc ⁿ | yes | asl |
| Endrin ketone | 53494-70-5 | 0 / 110 | nd | nd | µg/kg ww | 0.9 – 15 | 15 | not eval. | 26 nc ^o | no | bsl |
| Fluoranthene | 206-44-0 | 126 / 145 | 0.18 J | 120 | µg/kg ww | 0.87 – 24 | 120 | not eval. | 3,500 nc | no | bsl |
| Fluorene | 86-73-7 | 110 / 145 | 0.094 J | 7.1 | µg/kg ww | 3.6 – 24 | 24 | not eval. | 3,500 nc | no | bsl |
| gamma-BHC | 58-89-9 | 14 / 130 | 0.51 JN | 7.4 JNM | µg/kg ww | 0.50 – 10 | 10 | not eval. | 0.63 ca | yes | asl |
| gamma-Chlordane | 5103-74-2 | 110 / 119 | 0.52 J | 330 JN | µg/kg ww | 0.50 – 56 | 330 | not eval. | 2.3 ca ^p | no | sum |
| Heptachlor | 76-44-8 | 3 / 130 | 5.7 JN | 9.7 JN | µg/kg ww | 0.50 – 10 | 10 | not eval. | 0.18 ca | yes | asl |
| Heptachlor epoxide | 1024-57-3 | 53 / 130 | 0.93 JN | 45 JN | µg/kg ww | 0.50 – 10 | 45 | not eval. | 0.090 ca | yes | asl |
| Hexachlorobenzene | 118-74-1 | 20 / 145 | 0.38 JN | 6.6 JN | µg/kg ww | 0.8 – 24 | 24 | not eval. | 0.51 ca | yes | asl |
| Hexachlorobutadiene | 87-68-3 | 0 / 145 | nd | nd | µg/kg ww | 11 – 580 | 580 | not eval. | 11 ca | yes | asl |
| Hexachlorocyclopentadiene | 77-47-4 | 0 / 142 | nd | nd | µg/kg ww | 16 – 360,000 | 360,000 | not eval. | 520 nc | yes | asl |
| Hexachloroethane | 67-72-1 | 0 / 144 | nd | nd | µg/kg ww | 11 – 580 | 580 | not eval. | 59 ca | yes | asl |
| Indeno(1,2,3-cd)pyrene | 193-39-5 | 55 / 145 | 0.11 J | 28 | µg/kg ww | 0.13 – 40 | 40 | not eval. | 1.1 ca | no | teq |
| Isophorone | 78-59-1 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 580 | 580 | not eval. | 860 ca | no | bsl |
| Lead | na | 139 / 148 | 0.006 | 6.370 | mg/kg ww | 0.020 – 0.030 | 6.4 | not eval. | na | no | ntx |
| Mercury | 7439-97-6 | 159 / 159 | 0.005 | 0.11 J | mg/kg ww | na | 0.11 | 0.051 | 0.0087 nc ^q | yes | asl |
| Methoxychlor | 72-43-5 | 7 / 130 | 0.63 JN | 130 JN | µg/kg ww | 0.8 – 23 | 130 | not eval. | 430 nc | no | bsl |
| Methylmercury | 22967-92-6 | 3 / 3 | 18 | 25 | µg/kg ww | na | 25 | not eval. | 8.7 nc | no | sum |
| Mirex | 2385-85-5 | 0 / 110 | nd | nd | µg/kg ww | 0.8 – 10 | 10 | not eval. | 17 nc | no | bsl |
| Molybdenum | 7439-98-7 | 120 / 120 | 0.0025 J | 0.4100 | mg/kg ww | na | 0.410 | not eval. | 0.43 nc | no | bsl |
| Monobutyltin as ion | na | 72 / 120 | 0.57 J | 4.9 J | µg/kg ww | 0.8 – 1.7 | 4.9 | not eval. | na | no | ntx |
| Naphthalene | 91-20-3 | 41 / 145 | 0.80 J | 12 | µg/kg ww | 0.57 – 64 | 64 | not eval. | 1,700 nc | no | bsl |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------------|------------|--------------------------------------|
| Nickel | 7440-02-0 | 139 / 142 | 0.015 J | 2.060 | mg/kg ww | 0.020 – 0.020 | 2.1 | not eval. | 1.7 nc | yes | asl |
| Nitrobenzene | 98-95-3 | 0 / 145 | nd | nd | µg/kg ww | 11 – 580 | 580 | not eval. | 43 nc | yes | asl |
| n-Nitrosodimethylamine | 62-75-9 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 12,000 | 12,000 | not eval. | 0.016 ca | yes | asl |
| n-Nitroso-di-n-propylamine | 621-64-7 | 1 / 145 | 270 JN | 270 JN | µg/kg ww | 3.6 – 580 | 580 | not eval. | 0.12 ca | yes | asl |
| n-Nitrosodiphenylamine | 86-30-6 | 0 / 145 | nd | nd | µg/kg ww | 3.6 – 2,900 | 2,900 | not eval. | 170 ca | yes | asl |
| PCB congeners (total calc'd) | na | 49 / 49 | 41,050 J | 12,228,000 J | ng/kg ww | na | 12,200,000 | not eval. | 410 ca ^r | no | sum |
| PCB TEQ – mammal – half DL | na | 52 / 52 | 0.440 | 73.0 J | ng/kg ww | na | 73.0 | not eval. | 0.0055 ca ^s | yes | asl |
| PCB-001 | na | 27 / 48 | 1.04 J | 74.8 | ng/kg ww | 0.686 – 23.7 | 74.8 | not eval. | na | no | ntx |
| PCB-002 | na | 26 / 49 | 0.263 J | 13.3 | ng/kg ww | 0.269 – 13.2 | 13.3 | not eval. | na | no | ntx |
| PCB-003 | na | 26 / 49 | 0.401 J | 39.3 J | ng/kg ww | 0.466 – 20.5 | 39.3 | not eval. | na | no | ntx |
| PCB-004 | na | 49 / 49 | 4.68 | 1,700 | ng/kg ww | na | 1,700 | not eval. | na | no | ntx |
| PCB-005 | na | 32 / 49 | 0.222 J | 34.1 | ng/kg ww | 0.257 – 16.2 | 34.1 | not eval. | na | no | ntx |
| PCB-006 | na | 49 / 49 | 1.25 J | 3,240 | ng/kg ww | na | 3,240 | not eval. | na | no | ntx |
| PCB-007 | na | 46 / 49 | 0.391 J | 698 | ng/kg ww | 6.48 – 13.3 | 698 | not eval. | na | no | ntx |
| PCB-008 | na | 49 / 49 | 1.69 J | 2,570 | ng/kg ww | na | 2,570 | not eval. | na | no | ntx |
| PCB-009 | na | 49 / 49 | 0.490 J | 222 | ng/kg ww | na | 222 | not eval. | na | no | ntx |
| PCB-010 | na | 37 / 49 | 0.165 J | 80.7 | ng/kg ww | 0.238 – 15.7 | 80.7 | not eval. | na | no | ntx |
| PCB-011 | na | 29 / 49 | 1.51 J | 263 | ng/kg ww | 2.05 – 31.7 | 263 | not eval. | na | no | ntx |
| PCB-012 | na | 40 / 49 | 1.49 CJ | 532 C | ng/kg ww | 7.99 – 28.8 | 532 | not eval. | na | no | ntx |
| PCB-013 ^t | na | 40 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-014 | na | 4 / 49 | 0.0980 J | 2.05 | ng/kg ww | 0.0570 – 16.7 | 16.7 | not eval. | na | no | ntx |
| PCB-015 | na | 47 / 49 | 13.6 | 1,320 | ng/kg ww | 88.5 – 96.2 | 1,320 | not eval. | na | no | ntx |
| PCB-016 | na | 49 / 49 | 8.90 | 3,780 | ng/kg ww | na | 3,780 | not eval. | na | no | ntx |
| PCB-017 | na | 49 / 49 | 19.2 | 8,700 | ng/kg ww | na | 8,700 | not eval. | na | no | ntx |
| PCB-018 | na | 49 / 49 | 114 C | 24,900 C | ng/kg ww | na | 24,900 | not eval. | na | no | ntx |
| PCB-019 | na | 49 / 49 | 2.01 J | 2,330 | ng/kg ww | na | 2,330 | not eval. | na | no | ntx |
| PCB-020 | na | 49 / 49 | 630 C | 75,100 C | ng/kg ww | na | 75,100 | not eval. | na | no | ntx |
| PCB-021 | na | 44 / 49 | 16.13 CM | 9,010 C | ng/kg ww | 0.658 – 1.09 | 9,010 | not eval. | na | no | ntx |
| PCB-022 | na | 49 / 49 | 123 | 8,300 | ng/kg ww | na | 8,300 | not eval. | na | no | ntx |
| PCB-023 | na | 20 / 49 | 0.371 J | 32.8 | ng/kg ww | 0.649 – 16.4 | 32.8 | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| PCB-024 | na | 47 / 49 | 0.237 J | 232 | ng/kg ww | 0.858 – 1.53 | 232 | not eval. | na | no | ntx |
| PCB-025 | na | 49 / 49 | 7.62 | 55,000 | ng/kg ww | na | 55,000 | not eval. | na | no | ntx |
| PCB-026 | na | 49 / 49 | 129 C | 151,000 C | ng/kg ww | na | 151,000 | not eval. | na | no | ntx |
| PCB-027 | na | 49 / 49 | 0.0855 J | 7,670 | ng/kg ww | na | 7,670 | not eval. | na | no | ntx |
| PCB-028 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-029 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-030 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-031 | na | 49 / 49 | 391 | 55,100 | ng/kg ww | na | 55,100 | not eval. | na | no | ntx |
| PCB-032 | na | 48 / 49 | 14.1 | 9,340 | ng/kg ww | 8.66 – 8.66 | 9,340 | not eval. | na | no | ntx |
| PCB-033 ^t | na | 44 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-034 | na | 46 / 49 | 1.02 J | 681 | ng/kg ww | 0.747 – 0.970 | 681 | not eval. | na | no | ntx |
| PCB-035 | na | 15 / 49 | 0.350 J | 49.6 | ng/kg ww | 0.357 – 17.7 | 49.6 | not eval. | na | no | ntx |
| PCB-036 | na | 8 / 49 | 0.646 J | 63.7 | ng/kg ww | 0.197 – 15.6 | 63.7 | not eval. | na | no | ntx |
| PCB-037 | na | 49 / 49 | 60.6 | 6,560 | ng/kg ww | na | 6,560 | not eval. | na | no | ntx |
| PCB-038 | na | 31 / 49 | 0.839 J | 223 J | ng/kg ww | 0.206 – 8.27 | 223 | not eval. | na | no | ntx |
| PCB-039 | na | 42 / 49 | 1.95 J | 184 | ng/kg ww | 3.26 – 7.49 | 184 | not eval. | na | no | ntx |
| PCB-040 | na | 49 / 49 | 172 C | 32,600 C | ng/kg ww | na | 32,600 | not eval. | na | no | ntx |
| PCB-041 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-042 | na | 49 / 49 | 186 | 27,900 | ng/kg ww | na | 27,900 | not eval. | na | no | ntx |
| PCB-043 | na | 43 / 49 | 34.0 | 2,320 | ng/kg ww | 0.138 – 0.469 | 2,320 | not eval. | na | no | ntx |
| PCB-044 | na | 49 / 49 | 994 C | 328,000 C | ng/kg ww | na | 328,000 | not eval. | na | no | ntx |
| PCB-045 | na | 49 / 49 | 18.5 CJ | 8,600 C | ng/kg ww | na | 8,600 | not eval. | na | no | ntx |
| PCB-046 | na | 49 / 49 | 2.89 | 3,830 | ng/kg ww | na | 3,830 | not eval. | na | no | ntx |
| PCB-047 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-048 | na | 49 / 49 | 87.6 | 8,050 | ng/kg ww | na | 8,050 | not eval. | na | no | ntx |
| PCB-049 | na | 49 / 49 | 781 C | 396,000 C | ng/kg ww | na | 396,000 | not eval. | na | no | ntx |
| PCB-050 | na | 49 / 49 | 13.8 C | 23,000 C | ng/kg ww | na | 23,000 | not eval. | na | no | ntx |
| PCB-051 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-052 | na | 52 / 52 | 1,680 | 770,000 | ng/kg ww | na | 770,000 | not eval. | na | no | ntx |
| PCB-053 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| PCB-054 | na | 40 / 49 | 0.65 JM | 255 | ng/kg ww | 0.0799 – 0.37 | 255 | not eval. | na | no | ntx |
| PCB-055 | na | 23 / 49 | 18.1 | 1,050 | ng/kg ww | 0.496 – 1,000 | 1,050 | not eval. | na | no | ntx |
| PCB-056 | na | 48 / 49 | 153 | 15,800 | ng/kg ww | 2.23 – 2.23 | 15,800 | not eval. | na | no | ntx |
| PCB-057 | na | 49 / 49 | 5.07 | 11,500 | ng/kg ww | na | 11,500 | not eval. | na | no | ntx |
| PCB-058 | na | 48 / 49 | 5.77 | 2,700 | ng/kg ww | 5.40 – 5.40 | 2,700 | not eval. | na | no | ntx |
| PCB-059 | na | 49 / 49 | 106 C | 20,500 C | ng/kg ww | na | 20,500 | not eval. | na | no | ntx |
| PCB-060 | na | 49 / 49 | 197 | 16,100 | ng/kg ww | na | 16,100 | not eval. | na | no | ntx |
| PCB-061 | na | 49 / 49 | 1,480 C | 335,000 C | ng/kg ww | na | 335,000 | not eval. | na | no | ntx |
| PCB-062 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-063 | na | 49 / 49 | 36.5 | 13,500 | ng/kg ww | na | 13,500 | not eval. | na | no | ntx |
| PCB-064 | na | 49 / 49 | 346 | 65,900 | ng/kg ww | na | 65,900 | not eval. | na | no | ntx |
| PCB-065 ^s | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-066 | na | 49 / 49 | 1,040 | 217,000 | ng/kg ww | na | 217,000 | not eval. | na | no | ntx |
| PCB-067 | na | 48 / 49 | 31.5 | 9,160 | ng/kg ww | 18.2 – 18.2 | 9,160 | not eval. | na | no | ntx |
| PCB-068 | na | 49 / 49 | 15.1 | 12,700 | ng/kg ww | na | 12,700 | not eval. | na | no | ntx |
| PCB-069 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-070 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-071 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-072 | na | 49 / 49 | 33.2 | 21,100 | ng/kg ww | na | 21,100 | not eval. | na | no | ntx |
| PCB-073 | na | 19 / 49 | 51.6 | 1,010 | ng/kg ww | 0.0251 – 4.99 | 1,010 | not eval. | na | no | ntx |
| PCB-074 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-075 | na | 52 / 52 | 1,800 | 3,600 | ng/kg ww | na | 3,600 | not eval. | na | no | ntx |
| PCB-076 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-077 | na | 49 / 52 | 71.5 | 5,940 | ng/kg ww | 110 – 120 | 5,940 | not eval. | na | no | ntx |
| PCB-078 | na | 0 / 49 | nd | nd | ng/kg ww | 0.436 – 1,020 | 1,020 | not eval. | na | no | ntx |
| PCB-079 | na | 49 / 49 | 17.9 J | 9,580 | ng/kg ww | na | 9,580 | not eval. | na | no | ntx |
| PCB-080 | na | 1 / 49 | 321 | 321 | ng/kg ww | 0.362 – 910 | 910 | not eval. | na | no | ntx |
| PCB-081 | na | 47 / 52 | 3.04 | 187 | ng/kg ww | 10.8 – 180 | 187 | not eval. | na | no | ntx |
| PCB-082 | na | 49 / 49 | 134 | 14,700 | ng/kg ww | na | 14,700 | not eval. | na | no | ntx |
| PCB-083 | na | 49 / 49 | 1,390 C | 686,000 C | ng/kg ww | na | 686,000 | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| PCB-084 | na | 49 / 49 | 315 | 155,000 | ng/kg ww | na | 155,000 | not eval. | na | no | ntx |
| PCB-085 | na | 49 / 49 | 313 C | 80,800 C | ng/kg ww | na | 80,800 | not eval. | na | no | ntx |
| PCB-086 | na | 49 / 49 | 1,050 C | 423,000 C | ng/kg ww | na | 423,000 | not eval. | na | no | ntx |
| PCB-087 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-088 | na | 49 / 49 | 286 C | 105,000 C | ng/kg ww | na | 105,000 | not eval. | na | no | ntx |
| PCB-089 | na | 43 / 49 | 4.35 J | 1,680 | ng/kg ww | 0.256 – 5.1 | 1,680 | not eval. | na | no | ntx |
| PCB-090 | na | 49 / 49 | 2,240 C | 886,000 C | ng/kg ww | na | 886,000 | not eval. | na | no | ntx |
| PCB-091 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-092 | na | 49 / 49 | 631 | 241,000 | ng/kg ww | na | 241,000 | not eval. | na | no | ntx |
| PCB-093 | na | 49 / 49 | 1,820 C | 705,000 C | ng/kg ww | na | 705,000 | not eval. | na | no | ntx |
| PCB-094 | na | 47 / 49 | 4.58 J | 2,090 | ng/kg ww | 0.256 – 29.6 | 2,090 | not eval. | na | no | ntx |
| PCB-095 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-096 | na | 48 / 49 | 1.04 | 2,510 | ng/kg ww | 0.695 – 0.695 | 2,510 | not eval. | na | no | ntx |
| PCB-097 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-098 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-099 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-100 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-101 | na | 52 / 52 | 9,000 | 14,000 | ng/kg ww | na | 14,000 | not eval. | na | no | ntx |
| PCB-102 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-103 | na | 49 / 49 | 36.8 | 13,500 | ng/kg ww | na | 13,500 | not eval. | na | no | ntx |
| PCB-104 | na | 47 / 49 | 0.222 J | 73.3 | ng/kg ww | 0.197 – 4.66 | 73.3 | not eval. | na | no | ntx |
| PCB-105 | na | 52 / 52 | 478 | 195,000 | ng/kg ww | na | 195,000 | not eval. | na | no | ntx |
| PCB-106 | na | 0 / 49 | nd | nd | ng/kg ww | 0.246 – 77.6 | 77.6 | not eval. | na | no | ntx |
| PCB-107 | na | 49 / 49 | 64.3 C | 19,000 C | ng/kg ww | na | 19,000 | not eval. | na | no | ntx |
| PCB-108 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-109 | na | 49 / 49 | 116 | 80,300 | ng/kg ww | na | 80,300 | not eval. | na | no | ntx |
| PCB-110 | na | 49 / 49 | 1,980 C | 906,000 C | ng/kg ww | na | 906,000 | not eval. | na | no | ntx |
| PCB-111 | na | 49 / 49 | 3.36 | 1,310 | ng/kg ww | na | 1,310 | not eval. | na | no | ntx |
| PCB-112 | na | 2 / 49 | 46.5 | 93.6 | ng/kg ww | 0.0879 – 22.4 | 93.6 | not eval. | na | no | ntx |
| PCB-113 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| PCB-114 | na | 49 / 49 | 29.8 | 11,400 | ng/kg ww | na | 11,400 | not eval. | na | no | ntx |
| PCB-115 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-116 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-117 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-118 | na | 52 / 52 | 1,290 | 812,000 | ng/kg ww | na | 812,000 | not eval. | na | no | ntx |
| PCB-119 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-120 | na | 49 / 49 | 5.69 | 8,790 | ng/kg ww | na | 8,790 | not eval. | na | no | ntx |
| PCB-121 | na | 33 / 49 | 1.20 J | 275 | ng/kg ww | 0.179 – 6.63 | 275 | not eval. | na | no | ntx |
| PCB-122 | na | 45 / 49 | 23.9 | 3,650 | ng/kg ww | 3.98 – 45.1 | 3,650 | not eval. | na | no | ntx |
| PCB-123 | na | 49 / 49 | 32.6 | 7,750 | ng/kg ww | na | 7,750 | not eval. | na | no | ntx |
| PCB-124 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-125 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-126 | na | 49 / 52 | 3.31 | 370 J | ng/kg ww | 160 – 180 | 370 | not eval. | na | no | ntx |
| PCB-127 | na | 49 / 49 | 2.42 | 1,550 | ng/kg ww | na | 1,550 | not eval. | na | no | ntx |
| PCB-128 | na | 52 / 52 | 295 C | 124,000 C | ng/kg ww | na | 124,000 | not eval. | na | no | ntx |
| PCB-129 | na | 49 / 49 | 2,350 C | 854,000 C | ng/kg ww | na | 854,000 | not eval. | na | no | ntx |
| PCB-130 | na | 49 / 49 | 189 | 56,100 | ng/kg ww | na | 56,100 | not eval. | na | no | ntx |
| PCB-131 | na | 49 / 49 | 22.6 | 6,270 | ng/kg ww | na | 6,270 | not eval. | na | no | ntx |
| PCB-132 | na | 49 / 49 | 652 | 209,000 | ng/kg ww | na | 209,000 | not eval. | na | no | ntx |
| PCB-133 | na | 49 / 49 | 87.4 | 15,000 | ng/kg ww | na | 15,000 | not eval. | na | no | ntx |
| PCB-134 | na | 49 / 49 | 141 C | 44,500 C | ng/kg ww | na | 44,500 | not eval. | na | no | ntx |
| PCB-135 | na | 49 / 49 | 1,200 C | 334,000 C | ng/kg ww | na | 334,000 | not eval. | na | no | ntx |
| PCB-136 | na | 49 / 49 | 309 | 73,800 | ng/kg ww | na | 73,800 | not eval. | na | no | ntx |
| PCB-137 | na | 49 / 49 | 100 | 47,800 | ng/kg ww | na | 47,800 | not eval. | na | no | ntx |
| PCB-138 | na | 52 / 52 | 6,600 | 12,000 | ng/kg ww | na | 12,000 | not eval. | na | no | ntx |
| PCB-139 | na | 49 / 49 | 48.7 C | 17,600 C | ng/kg ww | na | 17,600 | not eval. | na | no | ntx |
| PCB-140 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-141 | na | 52 / 52 | 257 | 183,000 | ng/kg ww | na | 183,000 | not eval. | na | no | ntx |
| PCB-142 | na | 0 / 49 | nd | nd | ng/kg ww | 0.383 – 96.8 | 96.8 | not eval. | na | no | ntx |
| PCB-143 ^t | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| PCB-144 | na | 49 / 49 | 112 | 41,700 | ng/kg ww | na | 41,700 | not eval. | na | no | ntx |
| PCB-145 | na | 36 / 49 | 0.732 J | 224 | ng/kg ww | 0.0821 – 3.22 | 224 | not eval. | na | no | ntx |
| PCB-146 | na | 49 / 49 | 627 | 158,000 | ng/kg ww | na | 158,000 | not eval. | na | no | ntx |
| PCB-147 | na | 49 / 49 | 2,260 C | 515,000 C | ng/kg ww | na | 515,000 | not eval. | na | no | ntx |
| PCB-148 | na | 49 / 49 | 9.13 | 1,380 | ng/kg ww | na | 1,380 | not eval. | na | no | ntx |
| PCB-149 | na | 52 / 52 | 6,400 | 11,000 | ng/kg ww | na | 11,000 | not eval. | na | no | ntx |
| PCB-150 | na | 49 / 49 | 5.78 | 988 | ng/kg ww | na | 988 | not eval. | na | no | ntx |
| PCB-151 | na | 49 / 52 | nd | nd | ng/kg ww | 160 – 180 | 180 | not eval. | na | no | ntx |
| PCB-152 | na | 49 / 49 | 0.996 | 639 | ng/kg ww | na | 639 | not eval. | na | no | ntx |
| PCB-153 | na | 52 / 52 | 2,590 C | 1,070,000 C | ng/kg ww | na | 1,070,000 | not eval. | na | no | ntx |
| PCB-154 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-155 | na | 49 / 49 | 0.475 J | 60.4 | ng/kg ww | na | 60.4 | not eval. | na | no | ntx |
| PCB-156 | na | 49 / 49 | 163 C | 108,000 C | ng/kg ww | na | 108,000 | not eval. | na | no | ntx |
| PCB-157 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-158 | na | 49 / 49 | 207 | 81,200 | ng/kg ww | na | 81,200 | not eval. | na | no | ntx |
| PCB-159 | na | 41 / 49 | 31.6 | 3,970 | ng/kg ww | 0.299 – 0.548 | 3,970 | not eval. | na | no | ntx |
| PCB-160 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-161 | na | 0 / 49 | nd | nd | ng/kg ww | 0.282 – 66.0 | 66.0 | not eval. | na | no | ntx |
| PCB-162 | na | 49 / 49 | 7.25 | 2,670 | ng/kg ww | na | 2,670 | not eval. | na | no | ntx |
| PCB-163 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-164 | na | 49 / 49 | 214 | 46,300 | ng/kg ww | na | 46,300 | not eval. | na | no | ntx |
| PCB-165 | na | 40 / 49 | 2.31 | 370 | ng/kg ww | 2.71 – 66.9 | 370 | not eval. | na | no | ntx |
| PCB-166 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-167 | na | 49 / 49 | 85.8 | 34,900 | ng/kg ww | na | 34,900 | not eval. | na | no | ntx |
| PCB-168 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-169 | na | 16 / 52 | 0.468 | 22.4 | ng/kg ww | 0.378 – 180 | 180 | not eval. | na | no | ntx |
| PCB-170 | na | 52 / 52 | 232 | 366,000 | ng/kg ww | na | 366,000 | not eval. | na | no | ntx |
| PCB-171 | na | 49 / 49 | 184 C | 109,000 C | ng/kg ww | na | 109,000 | not eval. | na | no | ntx |
| PCB-172 | na | 49 / 49 | 43.1 | 59,700 | ng/kg ww | na | 59,700 | not eval. | na | no | ntx |
| PCB-173 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|----------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|------------------|------------|--------------------------------------|
| PCB-174 | na | 52 / 52 | 296 | 90,000 | ng/kg ww | na | 90,000 | not eval. | na | no | ntx |
| PCB-175 | na | 49 / 49 | 37.8 | 14,700 | ng/kg ww | na | 14,700 | not eval. | na | no | ntx |
| PCB-176 | na | 49 / 49 | 86.7 | 27,200 | ng/kg ww | na | 27,200 | not eval. | na | no | ntx |
| PCB-177 | na | 52 / 52 | 547 | 223,000 | ng/kg ww | na | 223,000 | not eval. | na | no | ntx |
| PCB-178 | na | 49 / 49 | 276 | 78,800 | ng/kg ww | na | 78,800 | not eval. | na | no | ntx |
| PCB-179 | na | 49 / 49 | 318 | 119,000 | ng/kg ww | na | 119,000 | not eval. | na | no | ntx |
| PCB-180 | na | 52 / 52 | 1,040 C | 1,080,000 C | ng/kg ww | na | 1,080,000 | not eval. | na | no | ntx |
| PCB-181 | na | 49 / 49 | 3.45 | 2,070 | ng/kg ww | na | 2,070 | not eval. | na | no | ntx |
| PCB-182 | na | 42 / 49 | 7.47 | 927 | ng/kg ww | 0.221 – 0.762 | 927 | not eval. | na | no | ntx |
| PCB-183 | na | 52 / 52 | 476 C | 310,000 C | ng/kg ww | na | 310,000 | not eval. | na | no | ntx |
| PCB-184 | na | 48 / 49 | 0.638 J | 86.9 | ng/kg ww | 2.42 – 2.42 | 86.9 | not eval. | na | no | ntx |
| PCB-185 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-186 | na | 3 / 49 | 1.14 J | 5.24 J | ng/kg ww | 0.0681 – 9.39 | 9.39 | not eval. | na | no | ntx |
| PCB-187 | na | 52 / 52 | 1,110 | 549,000 | ng/kg ww | na | 549,000 | not eval. | na | no | ntx |
| PCB-188 | na | 49 / 49 | 1.98 | 273 | ng/kg ww | na | 273 | not eval. | na | no | ntx |
| PCB-189 | na | 49 / 49 | 7.52 | 9,590 | ng/kg ww | na | 9,590 | not eval. | na | no | ntx |
| PCB-190 | na | 49 / 49 | 82.5 | 76,800 | ng/kg ww | na | 76,800 | not eval. | na | no | ntx |
| PCB-191 | na | 49 / 49 | 25.8 | 15,000 | ng/kg ww | na | 15,000 | not eval. | na | no | ntx |
| PCB-192 | na | 0 / 49 | nd | nd | ng/kg ww | 0.0864 – 10.7 | 10.7 | not eval. | na | no | ntx |
| PCB-193 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-194 | na | 49 / 49 | 43.8 | 97,600 | ng/kg ww | na | 97,600 | not eval. | na | no | ntx |
| PCB-195 | na | 52 / 52 | 21.9 | 50,700 | ng/kg ww | na | 50,700 | not eval. | na | no | ntx |
| PCB-196 | na | 49 / 49 | 94.9 | 63,600 | ng/kg ww | na | 63,600 | not eval. | na | no | ntx |
| PCB-197 | na | 49 / 49 | 17.5 C | 9,590 C | ng/kg ww | na | 9,590 | not eval. | na | no | ntx |
| PCB-198 | na | 49 / 49 | 221 C | 98,800 C | ng/kg ww | na | 98,800 | not eval. | na | no | ntx |
| PCB-199 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-200 [†] | na | 49 / 49 | na | na | ng/kg ww | na | na | not eval. | na | no | ntx |
| PCB-201 | na | 49 / 49 | 52.6 | 15,300 | ng/kg ww | na | 15,300 | not eval. | na | no | ntx |
| PCB-202 | na | 49 / 49 | 116 | 21,500 | ng/kg ww | na | 21,500 | not eval. | na | no | ntx |
| PCB-203 | na | 49 / 49 | 68.5 | 77,100 | ng/kg ww | na | 77,100 | not eval. | na | no | ntx |

Table 3, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | MINIMUM DETECTED CONC. | MAXIMUM DETECTED CONC. | UNITS | RANGE OF REPORTING LIMITS | VALUE USED FOR SCREENING | BACKGROUND CONC. ^a | RBC ^b | COPC FLAG? | RATIONALE FOR SELECTION OR EXCLUSION |
|--------------------------------|------------|---------------------|------------------------|------------------------|----------|---------------------------|--------------------------|-------------------------------|----------------------|------------|--------------------------------------|
| PCB-204 | na | 45 / 49 | 0.0540 J | 15.2 J | ng/kg ww | 0.0210 – 0.457 | 15.2 | not eval. | na | no | ntx |
| PCB-205 | na | 49 / 49 | 3.88 | 4,700 | ng/kg ww | na | 4,700 | not eval. | na | no | ntx |
| PCB-206 | na | 52 / 52 | 10.3 | 9,710 | ng/kg ww | na | 9,710 | not eval. | na | no | ntx |
| PCB-207 | na | 49 / 49 | 1.15 J | 1,680 | ng/kg ww | na | 1,680 | not eval. | na | no | ntx |
| PCB-208 | na | 49 / 49 | 2.88 | 1,640 | ng/kg ww | na | 1,640 | not eval. | na | no | ntx |
| PCB-209 | na | 49 / 49 | 2.23 | 456 | ng/kg ww | na | 456 | not eval. | na | no | ntx |
| PCBs (total calc'd) | na | 214 / 221 | 16 | 18,400 J | µg/kg ww | 13 – 20 | 18,000 | 18 | 0.41 ca ^r | yes | asl |
| Pentachlorophenol | 87-86-5 | 8 / 145 | 1.1 J | 2,400 J | µg/kg ww | 1.7 – 5,800 | 5,800 | not eval. | 6.8 ca | yes | asl |
| Phenanthrene | na | 92 / 145 | 0.49 | 26 | µg/kg ww | 0.31 – 24 | 26 | not eval. | na | no | ntx |
| Phenol | 108-95-2 | 27 / 145 | 18 J | 670 J | µg/kg ww | 3.6 – 1,500 | 1,500 | not eval. | 26,000 nc | no | bsl |
| Pyrene | 129-00-0 | 117 / 145 | 0.16 J | 130 | µg/kg ww | 0.36 – 24 | 130 | not eval. | 2,600 nc | no | bsl |
| Selenium | 7782-49-2 | 110 / 110 | 0.10 | 0.373 | mg/kg ww | na | 0.37 | not eval. | 0.43 nc | no | bsl |
| Silver | 7440-22-4 | 104 / 142 | 0.0013 J | 0.29 M | mg/kg ww | 0.0042 – 0.012 | 0.29 | not eval. | 0.43 nc | no | bsl |
| Tetrabutyltin as ion | na | 0 / 109 | nd | nd | µg/kg ww | 0.8 – 1.5 | 1.5 | not eval. | na | no | ntx |
| Thallium | 7440-28-0 | 60 / 110 | 0.0005 J | 0.0042 | mg/kg ww | 0.0015 – 0.0055 | 0.0055 | not eval. | 0.0061 nc | no | bsl |
| Total aldrin/dieldrin (calc'd) | na | 10 / 130 | 0.95 JN | 6.2 JN | µg/kg ww | 1.0 – 24 | 24 | not eval. | na | no | ntx |
| Total chlordane (calc'd) | na | 113 / 119 | 0.86 JN | 330 JN | µg/kg ww | 0.50 – 0.50 | 330 | not eval. | 2.3 ca ^u | yes | asl |
| Total HPAH (calc'd) | na | 128 / 145 | 0.21 J | 550 | µg/kg ww | 0.87 – 64 | 550 | not eval. | na | no | ntx |
| Total LPAH (calc'd) | na | 111 / 145 | 0.094 J | 54 | µg/kg ww | 3.6 – 64 | 64 | not eval. | na | no | ntx |
| Total PAH (calc'd) | na | 132 / 145 | 0.43 J | 600 | µg/kg ww | 18 – 64 | 600 | not eval. | na | no | ntx |
| Toxaphene | 8001-35-2 | 0 / 130 | nd | nd | µg/kg ww | 10 – 4,800 | 4,800 | not eval. | 0.75 ca | yes | asl |
| Tributyltin as ion | 688-73-3 | 119 / 153 | 0.81 J | 660 | µg/kg ww | 0.74 – 2.1 | 660 | not eval. | 26 nc ^v | yes | asl |
| Vanadium | 7440-62-2 | 80 / 118 | 0.058 | 2.65 | mg/kg ww | 0.08 – 0.25 | 3 | not eval. | 0.087 nc | yes | asl |
| Zinc | 7440-66-6 | 142 / 142 | 3.8 | 44 | mg/kg ww | na | 44 | not eval. | 26 nc | yes | asl |

^a Background concentration is an average from up to 229 English sole file samples collected from non-urban areas by the PSAMP (West et al. 2001) from 1989-1999. Multiple samples were collected from some locations, but averaging by location was not conducted prior to calculating the overall average concentration.

^b Risk-based concentrations (RBCs) are derived from EPA Region 3 RBCs for fish tissue (last updated October 2005). Site-specific modifications were made to the Region 3 RBCs to reflect differences in body weight (70 kg for Region 3, 79 kg for this site), seafood consumption rate (54 g/day for Region 3, 84 g/day for this site), and exposure frequency (350 d/yr for Region 3, 365 d/yr for this site), and exposure duration (30 yrs for Region 3, 55 yrs for this site). For chemicals with cancer endpoints, the Region 3 RBCs were multiplied by 0.38 to reflect the site-specific modifications; RBCs for chemicals with non-cancer endpoints were multiplied by 0.70 to reflect the site-specific modifications. RBCs associated with a non-cancer endpoint (abbreviated "nc") were divided by 10 for this screening, reflecting the different target hazard quotients used in Region 3 (HQ = 1) and Region 10 (HQ = 0.1). Abbreviations: ca = cancer endpoint, nc = non-cancer endpoint.

Table 3, continued

- ^c Less than 10% (1 of 145) reporting limits for 2,4,5-trichlorophenol exceed the RBC.
- ^d RBC for acenaphthylene is from acenaphthene.
- ^e RBC for alpha-chlordane is from chlordane.
- ^f RBC for alpha-endosulfan is from endosulfan.
- ^g Inorganic arsenic was evaluated instead of arsenic for this scenario.
- ^h RBC for arsenic (inorganic) is from arsenic.
- ⁱ RBC for beta-endosulfan is from endosulfan.
- ^j RBC for carcinogenic PAHs is from benzo(a)pyrene.
- ^k RBC for chromium is from chromium VI.
- ^l RBC for DDTs (total calc'd) is from 4,4-DDT.
- ^m RBC for endosulfan sulfate is from endosulfan.
- ⁿ RBC for endrin aldehyde is from endrin.
- ^o RBC for endrin ketone is from endrin.
- ^p RBC for gamma-chlordane is from chlordane.
- ^q RBC for mercury is from methylmercury.
- ^r RBC for PCB congeners and PCBs (total calc'd) is from Aroclor 1254.
- ^s RBC for PCB TEQ is from 2,3,7,8-TCDD.
- ^t Statistics for this congener reflect only those samples that were determined not to co-elute with other congeners. When no statistics are given, "na" will appear in place of statistics, meaning that all samples co-eluted with another congener.
- ^u RBC for total chlordane (calc'd) is from chlordane.
- ^v RBC for tributyltin ion is the value for tributyltin oxide multiplied by 0.49 to account for differences in molecular weight.

Abbreviations:

COPC – chemical of potential concern

nd – not detected

na – not applicable

C – concentration represents coelution

J – estimated value

M – calculated value

N – tentative identification

asl – above screening level (selected as COPC)

bsl – below screening level (not selected as COPC)

ifd – infrequent detection (not selected as COPC)

ntx – no toxicity information (not selected as COPC)

sum – chemical included in sum and is not evaluated separately

teq – chemical included in TEQ calculation and is not evaluated separately

Table 4. Chemicals analyzed in sediment but not in tissue samples evaluated in HHRA

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | DETECTED IN SURFACE SEDIMENT | IDENTIFIED AS COPC IN SEDIMENT | IMPORTANT BIOACCUMULATIVE COMPOUND (EPA 2000) |
|--------------------------------|------------|------------------------|---------------------------------|--------------------------------------|--|
| 1,1,1,2-Tetrachloroethane | 630-20-6 | 0 / 53 | no | no | no |
| 1,1,1-Trichloroethane | 71-55-6 | 0 / 72 | no | no | no |
| 1,1,2,2-Tetrachloroethane | 79-34-5 | 0 / 72 | no | no | no |
| 1,1,2-Trichloroethane | 79-00-5 | 0 / 72 | no | no | no |
| 1,1,2-Trichlorotrifluoroethane | 76-13-1 | 0 / 58 | no | no | no |
| 1,1-Dichloroacetone | 513-88-2 | 0 / 51 | no | no | no |
| 1,1-Dichloroethane | 75-34-3 | 0 / 72 | no | no | no |
| 1,1-Dichloroethene | 75-35-4 | 0 / 72 | no | no | no |
| 1,1-Dichloropropene | 563-58-6 | 0 / 53 | no | no | no |
| 1,2,3,4,6,7,8-HpCDD | 35822-46-9 | 58 / 62 | yes | no | yes |
| 1,2,3,4,6,7,8-HpCDF | 67562-39-4 | 57 / 62 | yes | no | no |
| 1,2,3,4,7,8,9-HpCDF | 55673-89-7 | 34 / 62 | yes | no | no |
| 1,2,3,4,7,8-HxCDD | 39227-28-6 | 24 / 62 | yes | no | yes |
| 1,2,3,4,7,8-HxCDF | 70648-26-9 | 37 / 62 | yes | no | yes |
| 1,2,3,6,7,8-HxCDD | 57653-85-7 | 44 / 62 | yes | no | yes |
| 1,2,3,6,7,8-HxCDF | 57117-44-9 | 24 / 62 | yes | no | no |
| 1,2,3,7,8,9-HxCDD | 19408-74-3 | 40 / 62 | yes | no | no |
| 1,2,3,7,8,9-HxCDF | 72918-21-9 | 21 / 62 | yes | no | no |
| 1,2,3,7,8-PeCDD | 40321-76-4 | 24 / 62 | yes | no | no |
| 1,2,3,7,8-PeCDF | 57117-41-6 | 21 / 62 | yes | no | yes |
| 1,2,3-Trichlorobenzene | 87-61-6 | 0 / 53 | no | no | no |
| 1,2,3-Trichloropropane | 96-18-4 | 0 / 53 | no | no | no |
| 1,2,4-Trimethylbenzene | 95-63-6 | 3 / 53 | yes | no | no |
| 1,2-Dibromo-3-chloropropane | 96-12-8 | 0 / 53 | no | no | no |
| 1,2-Dibromoethane (EDB) | 106-93-4 | 0 / 53 | no | no | no |
| 1,2-Dichloroethane | 107-06-2 | 0 / 72 | no | no | no |
| 1,2-Dichloroethene (total) | 540-59-0 | 0 / 14 | no | no | no |
| 1,2-Dichloropropane | 78-87-5 | 0 / 72 | no | no | no |
| 1,3,5-Trimethylbenzene | 108-67-8 | 0 / 53 | no | no | no |

Table 4, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | DETECTED IN SURFACE SEDIMENT | IDENTIFIED AS COPC IN SEDIMENT | IMPORTANT BIOACCUMULATIVE COMPOUND (EPA 2000) |
|-----------------------------|------------|------------------------|---------------------------------|--------------------------------------|--|
| 1,3-Dichloropropane | 142-28-9 | 0 / 53 | no | no | no |
| 1-Chlorobutane | 109-69-3 | 0 / 53 | no | no | no |
| 1-Methylnaphthalene | 90-12-0 | 45 / 45 | yes | no | no |
| 2,2-Dichloropropane | 594-20-7 | 0 / 53 | no | no | no |
| 2,3,4,6,7,8-HxCDF | 60851-34-5 | 24 / 62 | yes | no | no |
| 2,3,4,7,8-PeCDF | 57117-31-4 | 24 / 62 | yes | no | yes |
| 2,3,7,8-TCDD | 1746-01-6 | 21 / 62 | yes | no | yes |
| 2,3,7,8-TCDF | 51207-31-9 | 43 / 62 | yes | no | yes |
| 2-Chloroethyl vinyl ether | 110-75-8 | 0 / 5 | no | no | no |
| 2-Chlorotoluene | 95-49-8 | 0 / 53 | no | no | no |
| 2-Hexanone | 591-78-6 | 0 / 72 | no | no | no |
| 2-Nitropropane | 79-46-9 | 0 / 53 | no | no | no |
| 4-Chlorotoluene | 106-43-4 | 0 / 53 | no | no | no |
| Acetone | 67-64-1 | 3 / 72 | yes | no | no |
| Acid volatile sulfides | n/a | 71 / 83 | yes | no | no |
| Allyl chloride | 107-05-1 | 0 / 53 | no | no | no |
| Aluminum | 7429-90-5 | 727 / 727 | yes | yes | no |
| Ammonia | 7664-41-7 | 57 / 57 | yes | no | no |
| Ammonia (total as nitrogen) | 7664-41-7 | 167 / 171 | yes | no | no |
| Aroclor-1254/1260 | n/a | 16 / 16 | yes | no | no |
| Aroclor-1262 | 37324-23-5 | 2 / 25 | yes | no | no |
| Aroclor-1268 | 11100-14-4 | 1 / 24 | yes | no | yes |
| Barium | 7440-39-3 | 590 / 590 | yes | yes | no |
| Benzaldehyde | 100-52-7 | 12 / 23 | yes | no | no |
| Benzene | 71-43-2 | 0 / 72 | no | no | no |
| Benzo(e)pyrene | 192-97-2 | 45 / 45 | yes | no | no |
| Beryllium | 7440-41-7 | 734 / 746 | yes | no | no |
| Biphenyl | 92-52-4 | 45 / 45 | yes | no | no |
| Bromobenzene | 108-86-1 | 0 / 53 | no | no | no |
| Bromochloromethane | 74-97-5 | 0 / 53 | no | no | no |
| Bromodichloromethane | 75-27-4 | 0 / 72 | no | no | no |

Table 4, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | DETECTED IN SURFACE SEDIMENT | IDENTIFIED AS COPC IN SEDIMENT | IMPORTANT BIOACCUMULATIVE COMPOUND (EPA 2000) |
|------------------------------|------------|------------------------|---------------------------------|--------------------------------------|--|
| Bromoform | 75-25-2 | 0 / 72 | no | no | no |
| Bromomethane | 74-83-9 | 0 / 72 | no | no | no |
| Butyltin (total) | n/a | 45 / 54 | yes | no | no |
| C1-Chrysenes | 3001965 | 45 / 45 | yes | no | no |
| C1-Dibenzothiophenes | 3001957 | 33 / 45 | yes | no | no |
| C1-Fluoranthene/Pyrene | 3001964 | 43 / 45 | yes | no | no |
| C1-Fluorenes | 3001954 | 22 / 45 | yes | no | no |
| C1-Phenanthrenes/anthracenes | 3001960 | 45 / 45 | yes | no | no |
| C2-Chrysenes | 3001966 | 45 / 45 | yes | no | no |
| C2-Dibenzothiophenes | 3001958 | 31 / 45 | yes | no | no |
| C2-Fluorenes | 3001955 | 33 / 45 | yes | no | no |
| C2-Naphthalenes | 3001951 | 45 / 45 | yes | no | no |
| C2-Phenanthrenes/anthracenes | 3001961 | 45 / 45 | yes | no | no |
| C3-Chrysenes | 3001967 | 45 / 45 | yes | no | no |
| C3-Dibenzothiophenes | 3001959 | 37 / 45 | yes | no | no |
| C3-Fluorenes | 3001956 | 37 / 45 | yes | no | no |
| C3-Naphthalenes | 3001952 | 45 / 45 | yes | no | no |
| C3-Phenanthrenes/anthracenes | 3001962 | 45 / 45 | yes | no | no |
| C4-Chrysenes | 3001968 | 35 / 45 | yes | no | no |
| C4-Naphthalenes | 3001953 | 45 / 45 | yes | no | no |
| C4-Phenanthrenes/anthracenes | 3001963 | 45 / 45 | yes | no | no |
| Calcium | 7440-70-2 | 619 / 619 | yes | no | no |
| Caprolactam | 105-60-2 | 2 / 23 | yes | no | no |
| Carbon disulfide | 75-15-0 | 19 / 72 | yes | no | no |
| Carbon tetrachloride | 56-23-5 | 0 / 72 | no | no | no |
| Chloroacetonitrile | 107-14-2 | 0 / 2 | no | no | no |
| Chlorobenzene | 108-90-7 | 0 / 72 | no | no | no |
| Chloroethane | 75-00-3 | 0 / 72 | no | no | no |
| Chloroform | 67-66-3 | 0 / 72 | no | no | no |
| Chloromethane | 74-87-3 | 0 / 72 | no | no | no |
| Chromium VI | 18540-29-9 | 4 / 20 | yes | no | yes |

Table 4, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | DETECTED IN SURFACE SEDIMENT | IDENTIFIED AS COPC IN SEDIMENT | IMPORTANT BIOACCUMULATIVE COMPOUND (EPA 2000) |
|-------------------------------------|------------|------------------------|---------------------------------|--------------------------------------|--|
| cis-1,2-Dichloroethene | 156-59-2 | 0 / 58 | no | no | no |
| cis-1,3-Dichloropropene | 10061-01-5 | 0 / 72 | no | no | no |
| cis-Nonachlor | 5103-73-1 | 0 / 63 | no | no | no |
| Cyanide | 57-12-5 | 0 / 25 | no | no | no |
| Dibenzothiophene | 132-65-0 | 45 / 45 | yes | no | no |
| Dibromochloromethane | 124-48-1 | 0 / 72 | no | no | no |
| Dibromomethane | 74-95-3 | 0 / 53 | no | no | no |
| Dichlorodifluoromethane | 75-71-8 | 0 / 9 | no | no | no |
| Dichloromethane | 75-09-2 | 3 / 72 | yes | no | no |
| Diethyl ether | 60-29-7 | 0 / 53 | no | no | no |
| Dioxin/furan TEQ – mammal – half DL | n/a | 62 / 62 | yes | yes | yes ^a |
| Endosulfan | 115-29-7 | 3 / 80 | yes | no | no |
| Ethyl methacrylate | 97-63-2 | 0 / 53 | no | no | no |
| Ethylbenzene | 100-41-4 | 0 / 72 | no | no | no |
| Gasoline | 8006-61-9 | 2 / 29 | yes | no | no |
| Iodomethane | 74-88-4 | 0 / 53 | no | no | no |
| Iron | 7439-89-6 | 725 / 725 | yes | yes | no |
| Isopropylbenzene | 98-82-8 | 0 / 53 | no | no | no |
| Magnesium | 7439-95-4 | 631 / 631 | yes | no | no |
| Manganese | 7439-96-5 | 688 / 688 | yes | yes | no |
| Methacrylonitrile | 126-98-7 | 0 / 53 | no | no | no |
| Methyl acrylate | 96-33-3 | 0 / 53 | no | no | no |
| Methyl ethyl ketone | 78-93-3 | 35 / 72 | yes | no | no |
| Methyl isobutyl ketone | 108-10-1 | 0 / 72 | no | no | no |
| Methyl methacrylate | 80-62-6 | 0 / 53 | no | no | no |
| n-Butylbenzene | 104-51-8 | 0 / 53 | no | no | no |
| n-Propylbenzene | 103-65-1 | 0 / 53 | no | no | no |
| OCDD | 3268-87-9 | 62 / 62 | yes | no | no |
| OCDF | 39001-02-0 | 60 / 62 | yes | no | no |
| Oxychlorane | 27304138 | 0 / 63 | no | no | no |
| PCTs (total) | n/a | 258 / 299 | yes | no | no |

Table 4, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | DETECTED IN SURFACE SEDIMENT | IDENTIFIED AS COPC IN SEDIMENT | IMPORTANT BIOACCUMULATIVE COMPOUND (EPA 2000) |
|---------------------------------------|------------|------------------------|---------------------------------|--------------------------------------|--|
| p-Cymene | 99-87-6 | 3 / 53 | yes | no | no |
| Pentachloroethane | 76-01-7 | 0 / 53 | no | no | no |
| Perylene | 198-55-0 | 45 / 45 | yes | no | no |
| Potassium | 7440-09-7 | 633 / 633 | yes | no | no |
| Pyridine | 110-86-1 | 0 / 49 | no | no | no |
| Retene | 483-65-8 | 28 / 61 | yes | no | no |
| sec-Butylbenzene | 135-98-8 | 0 / 53 | no | no | no |
| Sodium | 7440-23-5 | 617 / 617 | yes | no | no |
| Styrene | 100-42-5 | 0 / 72 | no | no | no |
| Sulfides (total) | n/a | 208 / 320 | yes | no | no |
| tert-Butyl methyl ether | 1634-04-4 | 0 / 53 | no | no | no |
| tert-Butylbenzene | 98-06-6 | 0 / 53 | no | no | no |
| Tetrachloroethene | 127-18-4 | 3 / 72 | yes | no | no |
| Tin | 7440-31-5 | 188 / 294 | yes | no | no |
| Toluene | 108-88-3 | 6 / 72 | yes | no | no |
| Total HpCDD | 37871-00-4 | 37 / 41 | yes | no | no |
| Total HpCDF | 38998-75-3 | 37 / 41 | yes | no | no |
| Total HxCDD | 34465-46-8 | 37 / 41 | yes | no | no |
| Total HxCDF | 55684-94-1 | 37 / 41 | yes | no | no |
| Total PeCDD | 36088-22-9 | 3 / 41 | yes | no | no |
| Total PeCDF | 30402-15-4 | 36 / 41 | yes | no | no |
| Total petroleum hydrocarbons (calc'd) | n/a | 2 / 2 | yes | no | no |
| Total TCDD | n/a | 32 / 41 | yes | no | no |
| Total TCDF | 30402-14-3 | 37 / 41 | yes | no | no |
| Total Xylenes (calc'd) | n/a | 0 / 58 | no | yes | no |
| TPH | n/a | 60 / 70 | yes | no | no |
| TPH – diesel #2 range | 68334-30-5 | 0 / 27 | no | no | no |
| TPH – diesel range | n/a | 2 / 2 | yes | no | no |
| TPH – gasoline range | n/a | 0 / 2 | no | no | no |
| TPH – heavy fuel oil range | 8001-58-9 | 2 / 9 | yes | no | no |
| trans-1,2-Dichloroethene | 156-60-5 | 0 / 58 | no | no | no |

Table 4, continued

| CHEMICAL | CAS NUMBER | DETECTION FREQUENCY | DETECTED IN SURFACE SEDIMENT | IDENTIFIED AS COPC IN SEDIMENT | IMPORTANT BIOACCUMULATIVE COMPOUND (EPA 2000) |
|-----------------------------|----------------------|------------------------|---------------------------------|--------------------------------------|--|
| trans-1,3-Dichloropropene | 10061-02-6 | 0 / 72 | no | no | no |
| trans-1,4-Dichloro-2-butene | 110-57-6 | 0 / 51 | no | no | no |
| trans-Nonachlor | 39765-80-5 | 0 / 63 | no | no | no |
| Trichloroethene | 79-01-6 | 0 / 72 | no | no | no |
| Trichlorofluoromethane | 75-69-4 | 0 / 58 | no | no | no |
| Vinyl acetate | 108-05-4 | 0 / 5 | no | no | no |
| Vinyl chloride | 75-01-4 | 0 / 72 | no | no | no |
| Xylene (meta and para) | 108-38-3 106-42-3 | 0 / 58 | no | no | no |
| Xylene (ortho) | 95-47-6 | 0 / 58 | no | no | no |
| Xylene (total) | 1330-20-7 | 0 / 14 | no | no | no |

COPC – chemical of potential concern

n/a – not applicable

^a Although the chemical group dioxin/furan TEQ was not listed in EPA (2000) as an important bioaccumulative chemical, the chemical benchmark for this group – 2,3,7,8-TCDD – was considered an important bioaccumulative chemical. Therefore, in keeping with the intent of the TEQ calculation, the chemical group was also designated as an important bioaccumulative chemical.

REFERENCES

- Ecology. 2000. Sediment quality in Puget Sound. Year 2 - central Puget Sound. No. 00-03-055. Washington Department of Ecology, Olympia, WA.
- EPA. 1998. Risk assessment guidance for Superfund. Volume 1. Human health evaluation manual. Part D, Standardized planning, reporting, and review of Superfund risk assessments. Interim Publication No. 9825.7-01D. Office of Emergency and Remedial Response, US Environmental Protection Agency, Washington, DC.
- EPA. 2000. Bioaccumulation testing and interpretation for the purpose of sediment quality assessment: status and needs. EPA-823-R-00-001. Bioaccumulation Analysis Workgroup, US Environmental Protection Agency, Washington, DC.
- EPA. 2004. EPA Region IX preliminary remediation goals: 2004 PRG table [online]. US Environmental Protection Agency Region IX, San Francisco, CA. Updated October 2004. Available from: <http://www.epa.gov/region09/waste/sfund/prg/index.html>.
- EPA. 2005. EPA Region III risk-based concentration table [online]. US Environmental Protection Agency Region III, Philadelphia, PA. Updated October 2005. Available from: <http://www.epa.gov/reg3hwmd/risk/human/index.htm>.
- West JE, O'Neill SM, Lippert G, Quinnell S. 2001. Toxic contaminants in marine and anadromous fishes from Puget Sound, Washington. Results of the Puget Sound ambient monitoring program fish component 1989-1999. Washington Department of Fish and Wildlife, Olympia, WA.