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| <b>Receptor Name</b> | <b>COPC Name</b>           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|----------------------------|-------------------|---|
| Adams Ranch          | 1,2,3-Trimethylbenzene     | 526-73-8          | 1.34E-13  |
| Adams Ranch          | 1,2,4-Trimethylbenzene     | 95-63-6           | 6.90E-12  |
| Adams Ranch          | 1,4-Diethylbenzene         | 105-05-5          | 7.09E-13  |
| Adams Ranch          | 1-butene                   | 106-98-9          | 6.38E-15  |
| Adams Ranch          | 1-chloronaphthalene        | 90-13-1           | 9.53E-13  |
| Adams Ranch          | 1-Naphthylamine            | 134-32-7          | 6.73E-10  |
| Adams Ranch          | 2,2,4-trimethylpentane     | 540-84-1          | 7.84E-16  |
| Adams Ranch          | 2,2-dimethylbutane         | 75-83-2           | 1.37E-15  |
| Adams Ranch          | 2,3,4-trimethylpentane     | 565-75-3          | 1.25E-14  |
| Adams Ranch          | 2,3-dimethylbutane         | 79-29-8           | 2.11E-15  |
| Adams Ranch          | 2,3-dimethylpentane        | 565-59-3          | 9.64E-15  |
| Adams Ranch          | 2,4-dimethylpentane        | 108-08-7          | 3.21E-15  |
| Adams Ranch          | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 1.51E-09  |
| Adams Ranch          | 2,6-dichlorophenol         | 87-65-0           | 6.03E-11  |
| Adams Ranch          | 2-ethyltoluene             | 611-14-3          | 1.52E-13  |
| Adams Ranch          | 2-hexanone                 | 591-78-6          | 5.10E-13  |
| Adams Ranch          | 2-methylhexane             | 591-76-4          | 3.75E-13  |
| Adams Ranch          | 2-methylnaphthalene        | 91-57-6           | 2.27E-10  |
| Adams Ranch          | 2-methylpentane            | 107-83-5          | 3.11E-15  |
| Adams Ranch          | 2-naphthylamine            | 91-59-8           | 5.23E-08  |
| Adams Ranch          | 3-ethyltoluene             | 620-14-4          | 2.94E-09  |
| Adams Ranch          | 3-methylheptane            | 589-81-1          | 3.40E-15  |
| Adams Ranch          | 3-methylhexane             | 589-34-4          | 2.14E-13  |
| Adams Ranch          | 3-methylpentane            | 96-14-0           | 5.80E-15  |
| Adams Ranch          | 4,6-dinitro-2-methylphenol | 534-52-1          | 6.77E-10  |
| Adams Ranch          | 4-aminobiphenyl            | 92-67-1           | 5.02E-09  |
| Adams Ranch          | 4-ethyltoluene             | 622-96-8          | 1.72E-12  |
| Adams Ranch          | Acenaphthene               | 83-32-9           | 1.55E-10  |
| Adams Ranch          | acenaphthylene             | 208-96-8          | 5.99E-10  |
| Adams Ranch          | Acetaldehyde               | 75-07-0           | 7.66E-13  |
| Adams Ranch          | Acetone                    | 67-64-1           | 5.65E-12  |
| Adams Ranch          | Acetonitrile               | 75-05-8           | 2.88E-13  |
| Adams Ranch          | Acetophenone               | 98-86-2           | 1.69E-11  |
| Adams Ranch          | Acrylonitrile              | 107-13-1          | 3.41E-13  |
| Adams Ranch          | aluminum                   | 7429-90-5         | 1.48E-06  |
| Adams Ranch          | Aniline                    | 62-53-3           | 4.49E-10  |
| Adams Ranch          | Anthracene                 | 120-12-7          | 1.67E-10  |
| Adams Ranch          | Antimony                   | 7440-36-0         | 9.08E-12  |
| Adams Ranch          | Arsenic                    | 7440-38-2         | 1.27E-14  |
| Adams Ranch          | Barium                     | 7440-39-3         | 4.41E-09  |
| Adams Ranch          | Benzaldehyde               | 100-52-7          | 1.03E-09  |
| Adams Ranch          | Benzene                    | 71-43-2           | 3.92E-13  |
| Adams Ranch          | Benzo(a)anthracene         | 56-55-3           | 2.26E-09  |
| Adams Ranch          | Benzo(a)pyrene             | 50-32-8           | 2.71E-10  |
| Adams Ranch          | Benzo(b)fluoranthene       | 205-99-2          | 2.11E-09  |
| Adams Ranch          | benzo(g,h,i)perylene       | 191-24-2          | 3.39E-08  |
| Adams Ranch          | Benzo(k)fluoranthene       | 207-08-9          | 1.60E-08  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Adams Ranch          | Benzoic acid                               | 65-85-0           | 4.91E-10  |
| Adams Ranch          | Benzyl alcohol                             | 100-51-6          | 1.54E-11  |
| Adams Ranch          | Benzyl chloride                            | 100-44-7          | 4.35E-13  |
| Adams Ranch          | Bis(2-chlorethyl)ether                     | 111-44-4          | 6.88E-12  |
| Adams Ranch          | bis(2-chloroethoxy)methane                 | 111-91-1          | 4.16E-12  |
| Adams Ranch          | Bromodichloromethane                       | 75-27-4           | 6.87E-13  |
| Adams Ranch          | Bromoform (Tribromomethane)                | 75-25-2           | 2.27E-16  |
| Adams Ranch          | Bromophenyl-phenylether, 4-                | 101-55-3          | 9.94E-09  |
| Adams Ranch          | Butylbenzylphthalate                       | 85-68-7           | 3.23E-12  |
| Adams Ranch          | Cadmium                                    | 7440-43-9         | 6.95E-14  |
| Adams Ranch          | carbazole                                  | 86-74-8           | 2.48E-09  |
| Adams Ranch          | Carbon disulfide                           | 75-15-0           | 3.84E-15  |
| Adams Ranch          | Carbon tetrachloride                       | 56-23-5           | 3.01E-14  |
| Adams Ranch          | Chlorine                                   | 7782-50-5         | 1.23E-07  |
| Adams Ranch          | Chloro-3-methylphenol, 4-                  | 59-50-7           | 5.93E-10  |
| Adams Ranch          | chloroacetonitrile                         | 107-14-2          | 3.07E-13  |
| Adams Ranch          | Chloroaniline, p-                          | 106-47-8          | 9.21E-12  |
| Adams Ranch          | Chlorobenzene                              | 108-90-7          | 5.47E-14  |
| Adams Ranch          | Chloroethane                               | 75-00-3           | 7.93E-17  |
| Adams Ranch          | Chloroform (Trichloromethane)              | 67-66-3           | 1.70E-14  |
| Adams Ranch          | Chloronaphthalene,2-                       | 91-58-7           | 3.20E-10  |
| Adams Ranch          | Chlorophenol, 2-                           | 95-57-8           | 1.80E-10  |
| Adams Ranch          | Chromium                                   | 7440-47-3         | 5.80E-08  |
| Adams Ranch          | Chromium, hexavalent                       | 18540-29-9        | 4.77E-08  |
| Adams Ranch          | Chrysene                                   | 218-01-9          | 3.07E-09  |
| Adams Ranch          | cis-1,3-dichloropropene                    | 10062-01-5        | 3.27E-14  |
| Adams Ranch          | cis-2-butene                               | 590-18-1          | 4.93E-16  |
| Adams Ranch          | cobalt                                     | 7440-48-4         | 4.44E-12  |
| Adams Ranch          | copper                                     | 7440-50-8         | 9.24E-10  |
| Adams Ranch          | Cresol, m-                                 | 108-39-4          | 4.16E-12  |
| Adams Ranch          | Cresol, o-                                 | 95-48-7           | 4.54E-11  |
| Adams Ranch          | Cresol, p-                                 | 106-44-5          | 2.38E-13  |
| Adams Ranch          | crotonaldehyde                             | 4170-30-3         | 1.59E-12  |
| Adams Ranch          | Cumene (Isopropylbenzene)                  | 98-82-8           | 4.32E-14  |
| Adams Ranch          | cyclohexane                                | 110-82-7          | 2.88E-15  |
| Adams Ranch          | Dibenz(a,h)anthracene                      | 53-70-3           | 7.64E-10  |
| Adams Ranch          | dibenzofuran                               | 132-64-9          | 9.18E-11  |
| Adams Ranch          | Dibromochloromethane                       | 124-48-1          | 8.75E-12  |
| Adams Ranch          | Dichlorobenzene, 1,2-                      | 95-50-1           | 2.17E-13  |
| Adams Ranch          | Dichlorobenzene, 1,3-                      | 541-73-1          | 3.32E-13  |
| Adams Ranch          | Dichlorobenzene,1,4-                       | 106-46-7          | 5.65E-14  |
| Adams Ranch          | Dichloroethane 1,1-                        | 75-34-3           | 6.21E-16  |
| Adams Ranch          | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 2.49E-15  |
| Adams Ranch          | Dichloroethylene 1,1-                      | 75-35-4           | 2.96E-16  |
| Adams Ranch          | Dichloroethylene, cis-1,2-                 | 156-59-2          | 2.75E-14  |
| Adams Ranch          | Dichloroethylene-1,2 (trans)               | 156-60-5          | 1.46E-15  |
| Adams Ranch          | Dichlorophenol, 2,4-                       | 120-83-2          | 2.57E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Adams Ranch          | Dichloropropane, 1,2-                         | 78-87-5           | 2.04E-15  |
| Adams Ranch          | Diethyl phthalate                             | 84-66-2           | 1.20E-10  |
| Adams Ranch          | Dimethyl phthalate                            | 131-11-3          | 6.90E-12  |
| Adams Ranch          | Dimethylphenol, 2,4-                          | 105-67-9          | 1.34E-10  |
| Adams Ranch          | Di-n-butyl phthalate                          | 84-74-2           | 7.14E-10  |
| Adams Ranch          | Dinitrobenzene, 1,3-                          | 99-65-0           | 1.18E-10  |
| Adams Ranch          | Dinitrophenol, 2,4-                           | 51-28-5           | 2.65E-12  |
| Adams Ranch          | Dinitrotoluene, 2,4-                          | 121-14-2          | 3.40E-11  |
| Adams Ranch          | Dinitrotoluene, 2,6-                          | 606-20-2          | 2.50E-11  |
| Adams Ranch          | Di-n-octylphthalate                           | 117-84-0          | 3.74E-10  |
| Adams Ranch          | Dioxane, 1,4-                                 | 123-91-1          | 7.74E-14  |
| Adams Ranch          | diphenylamine                                 | 122-39-4          | 7.27E-10  |
| Adams Ranch          | Ethyl methacrylate                            | 97-63-2           | 1.76E-11  |
| Adams Ranch          | Ethylbenzene                                  | 100-41-4          | 1.82E-13  |
| Adams Ranch          | Ethylene Dibromide                            | 106-93-4          | 1.26E-12  |
| Adams Ranch          | ethylether                                    | 60-29-7           | 1.48E-14  |
| Adams Ranch          | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 2.03E-10  |
| Adams Ranch          | Fluoranthene                                  | 206-44-0          | 3.30E-09  |
| Adams Ranch          | Fluorene                                      | 86-73-7           | 1.09E-10  |
| Adams Ranch          | Formaldehyde                                  | 50-00-0           | 1.32E-10  |
| Adams Ranch          | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 1.20E-12  |
| Adams Ranch          | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 3.01E-11  |
| Adams Ranch          | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 7.58E-12  |
| Adams Ranch          | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 1.43E-13  |
| Adams Ranch          | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 3.60E-13  |
| Adams Ranch          | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 2.49E-13  |
| Adams Ranch          | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 1.04E-11  |
| Adams Ranch          | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 6.39E-12  |
| Adams Ranch          | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 4.67E-12  |
| Adams Ranch          | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 7.57E-12  |
| Adams Ranch          | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 1.26E-10  |
| Adams Ranch          | Hexachlorobenzene                             | 118-74-1          | 9.72E-11  |
| Adams Ranch          | Hexachlorocyclopentadiene                     | 77-47-4           | 3.66E-10  |
| Adams Ranch          | Hexachloroethane (Perchloroethane)            | 67-72-1           | 1.19E-11  |
| Adams Ranch          | hexachloropropene                             | 1888-71-7         | 1.35E-12  |
| Adams Ranch          | hexane  | 110-54-3          | 1.84E-14  |
| Adams Ranch          | Hydrogen chloride                             | 7647-01-0         | 1.86E-07  |
| Adams Ranch          | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 2.83E-09  |
| Adams Ranch          | Isophorone                                    | 78-59-1           | 5.22E-12  |
| Adams Ranch          | Lead  | 7439-92-1         | 9.03E-10  |
| Adams Ranch          | manganese                                     | 7439-96-5         | 3.47E-09  |
| Adams Ranch          | Mercuric chloride                             | 7487-94-7         | 3.28E-10  |
| Adams Ranch          | Methacrylonitrile                             | 126-98-7          | 8.54E-12  |
| Adams Ranch          | Methyl bromide (Bromomethane)                 | 74-83-9           | 3.19E-16  |
| Adams Ranch          | Methyl chloride (Chloromethane)               | 74-87-3           | 1.02E-14  |
| Adams Ranch          | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 3.14E-12  |
| Adams Ranch          | Methyl isobutyl ketone                        | 108-10-1          | 1.99E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Adams Ranch          | Methyl mercury                 | 22967-92-6        | 6.56E-12  |
| Adams Ranch          | methyl tert-butyl ether        | 1634-04-4         | 2.32E-13  |
| Adams Ranch          | methylcyclohexane              | 108-87-2          | 4.46E-14  |
| Adams Ranch          | Methylene chloride             | 75-09-2           | 3.48E-13  |
| Adams Ranch          | methymethacrylate              | 80-62-6           | 1.13E-13  |
| Adams Ranch          | Naphthalene                    | 91-20-3           | 6.30E-09  |
| Adams Ranch          | Nickel                         | 7440-02-0         | 9.21E-11  |
| Adams Ranch          | Nitroaniline, 2-               | 88-74-4           | 3.23E-11  |
| Adams Ranch          | Nitroaniline, 3-               | 99-09-2           | 5.55E-11  |
| Adams Ranch          | Nitroaniline, 4-               | 100-01-6          | 6.28E-11  |
| Adams Ranch          | Nitrobenzene                   | 98-95-3           | 4.97E-12  |
| Adams Ranch          | Nitrophenol, 2-                | 88-75-5           | 1.48E-10  |
| Adams Ranch          | Nitrophenol, 4-                | 100-02-7          | 1.16E-11  |
| Adams Ranch          | Nitroso-di-n-butylamine, n-    | 924-16-3          | 1.17E-11  |
| Adams Ranch          | Nitrosodiphenylamine, N-       | 86-30-6           | 9.19E-12  |
| Adams Ranch          | Nitrosodipropylamine, n-       | 621-64-7          | 1.41E-11  |
| Adams Ranch          | n-nitrosodiethylamine          | 55-18-5           | 7.27E-13  |
| Adams Ranch          | n-nitrosodimethylamine         | 62-75-9           | 1.25E-13  |
| Adams Ranch          | n-nitrosomethylethylamine      | 10595-95-6        | 8.13E-13  |
| Adams Ranch          | n-nitrosomorpholine            | 59-89-2           | 6.58E-12  |
| Adams Ranch          | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 1.53E-12  |
| Adams Ranch          | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 2.20E-11  |
| Adams Ranch          | o-tolualdehyde                 | 529-20-4          | 6.75E-10  |
| Adams Ranch          | p-dimethylaminoazobenzene      | 60-11-7           | 2.20E-08  |
| Adams Ranch          | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 2.54E-13  |
| Adams Ranch          | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 2.72E-12  |
| Adams Ranch          | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 5.62E-12  |
| Adams Ranch          | Pentachlorobenzene             | 608-93-5          | 1.55E-10  |
| Adams Ranch          | pentachloroethane              | 76-01-7           | 1.31E-12  |
| Adams Ranch          | Pentachloronitrobenzene (PCNB) | 82-68-8           | 9.33E-10  |
| Adams Ranch          | Pentachlorophenol              | 87-86-5           | 2.36E-09  |
| Adams Ranch          | perchlorate                    | 14797-73-0        | 1.52E-11  |
| Adams Ranch          | Phenanthrene                   | 85-01-8           | 1.78E-09  |
| Adams Ranch          | Phenol                         | 108-95-2          | 7.60E-11  |
| Adams Ranch          | phosphorous                    | 7723-14-0         | 4.07E-09  |
| Adams Ranch          | propanal                       | 123-38-6          | 3.37E-12  |
| Adams Ranch          | propylbenzene                  | 103-65-1          | 8.32E-13  |
| Adams Ranch          | propylene                      | 115-07-1          | 7.85E-15  |
| Adams Ranch          | Pyrene                         | 129-00-0          | 1.20E-08  |
| Adams Ranch          | Pyridine                       | 110-86-1          | 5.44E-13  |
| Adams Ranch          | Selenium                       | 7782-49-2         | 5.07E-13  |
| Adams Ranch          | Silver                         | 7440-22-4         | 2.79E-09  |
| Adams Ranch          | Styrene                        | 100-42-5          | 9.86E-12  |
| Adams Ranch          | TetraCDD, 2,3,7,8-             | 1746-01-6         | 5.03E-14  |
| Adams Ranch          | TetraCDF, 2,3,7,8-             | 51207-31-9        | 7.78E-13  |
| Adams Ranch          | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 2.64E-11  |
| Adams Ranch          | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 4.42E-14  |

| <i>Receptor Name</i> | <i>COPC Name</i>                        | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Adams Ranch          | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 8.03E-15  |
| Adams Ranch          | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 1.10E-10  |
| Adams Ranch          | Tetrahydrofuran                         | 109-99-9          | 5.23E-14  |
| Adams Ranch          | Toluene                                 | 108-88-3          | 2.36E-13  |
| Adams Ranch          | Toluidine, o-                           | 95-53-4           | 4.33E-11  |
| Adams Ranch          | trans-1,3-dichloropropene               | 10061-02-6        | 5.20E-14  |
| Adams Ranch          | trans-2-butene                          | 624-64-6          | 1.85E-15  |
| Adams Ranch          | Trichlorobenzene, 1,2,4-                | 120-82-1          | 7.39E-13  |
| Adams Ranch          | Trichloroethane, 1,1,1-                 | 71-55-6           | 6.02E-16  |
| Adams Ranch          | Trichloroethane, 1,1,2-                 | 79-00-5           | 1.38E-14  |
| Adams Ranch          | Trichloroethylene                       | 79-01-6           | 5.27E-15  |
| Adams Ranch          | Trichlorophenol, 2,4,5-                 | 95-95-4           | 7.46E-10  |
| Adams Ranch          | Trichlorophenol, 2,4,6-                 | 88-06-2           | 6.50E-11  |
| Adams Ranch          | Trimethylbenzene, 1,3,5-                | 108-67-8          | 2.96E-12  |
| Adams Ranch          | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.02E-10  |
| Adams Ranch          | undecane                                | 1120-21-4         | 5.98E-12  |
| Adams Ranch          | Vinyl Chloride                          | 75-01-4           | 1.32E-15  |
| Adams Ranch          | Xylene, m-                              | 108-38-3          | 2.34E-13  |
| Adams Ranch          | Xylene, o-                              | 95-47-6           | 2.82E-13  |
| Adams Ranch          | Xylene, p-                              | 106-42-3          | 1.95E-13  |
| Adams Ranch          | Zinc                                    | 7440-66-6         | 8.49E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|----------------------------|-------------------|---|
| ATK Ranch Pond       | 1,2,3-Trimethylbenzene     | 526-73-8          | 9.07E-15  |
| ATK Ranch Pond       | 1,2,4-Trimethylbenzene     | 95-63-6           | 4.66E-13  |
| ATK Ranch Pond       | 1,4-Diethylbenzene         | 105-05-5          | 4.79E-14  |
| ATK Ranch Pond       | 1-butene                   | 106-98-9          | 4.31E-16  |
| ATK Ranch Pond       | 1-chloronaphthalene        | 90-13-1           | 6.44E-14  |
| ATK Ranch Pond       | 1-Naphthylamine            | 134-32-7          | 4.54E-11  |
| ATK Ranch Pond       | 2,2,4-trimethylpentane     | 540-84-1          | 5.29E-17  |
| ATK Ranch Pond       | 2,2-dimethylbutane         | 75-83-2           | 9.27E-17  |
| ATK Ranch Pond       | 2,3,4-trimethylpentane     | 565-75-3          | 8.44E-16  |
| ATK Ranch Pond       | 2,3-dimethylbutane         | 79-29-8           | 1.42E-16  |
| ATK Ranch Pond       | 2,3-dimethylpentane        | 565-59-3          | 6.51E-16  |
| ATK Ranch Pond       | 2,4-dimethylpentane        | 108-08-7          | 2.17E-16  |
| ATK Ranch Pond       | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 1.02E-10  |
| ATK Ranch Pond       | 2,6-dichlorophenol         | 87-65-0           | 4.07E-12  |
| ATK Ranch Pond       | 2-ethyltoluene             | 611-14-3          | 1.03E-14  |
| ATK Ranch Pond       | 2-hexanone                 | 591-78-6          | 3.44E-14  |
| ATK Ranch Pond       | 2-methylhexane             | 591-76-4          | 2.53E-14  |
| ATK Ranch Pond       | 2-methylnaphthalene        | 91-57-6           | 1.54E-11  |
| ATK Ranch Pond       | 2-methylpentane            | 107-83-5          | 2.10E-16  |
| ATK Ranch Pond       | 2-naphthylamine            | 91-59-8           | 3.63E-09  |
| ATK Ranch Pond       | 3-ethyltoluene             | 620-14-4          | 1.99E-10  |
| ATK Ranch Pond       | 3-methylheptane            | 589-81-1          | 2.30E-16  |
| ATK Ranch Pond       | 3-methylhexane             | 589-34-4          | 1.44E-14  |
| ATK Ranch Pond       | 3-methylpentane            | 96-14-0           | 3.92E-16  |
| ATK Ranch Pond       | 4,6-dinitro-2-methylphenol | 534-52-1          | 4.58E-11  |
| ATK Ranch Pond       | 4-aminobiphenyl            | 92-67-1           | 3.41E-10  |
| ATK Ranch Pond       | 4-ethyltoluene             | 622-96-8          | 1.16E-13  |
| ATK Ranch Pond       | Acenaphthene               | 83-32-9           | 1.05E-11  |
| ATK Ranch Pond       | acenaphthylene             | 208-96-8          | 4.05E-11  |
| ATK Ranch Pond       | Acetaldehyde               | 75-07-0           | 5.17E-14  |
| ATK Ranch Pond       | Acetone                    | 67-64-1           | 3.82E-13  |
| ATK Ranch Pond       | Acetonitrile               | 75-05-8           | 1.94E-14  |
| ATK Ranch Pond       | Acetophenone               | 98-86-2           | 1.14E-12  |
| ATK Ranch Pond       | Acrylonitrile              | 107-13-1          | 2.31E-14  |
| ATK Ranch Pond       | aluminum                   | 7429-90-5         | 1.00E-07  |
| ATK Ranch Pond       | Aniline                    | 62-53-3           | 3.03E-11  |
| ATK Ranch Pond       | Anthracene                 | 120-12-7          | 1.13E-11  |
| ATK Ranch Pond       | Antimony                   | 7440-36-0         | 6.13E-13  |
| ATK Ranch Pond       | Arsenic                    | 7440-38-2         | 8.62E-16  |
| ATK Ranch Pond       | Barium                     | 7440-39-3         | 3.00E-10  |
| ATK Ranch Pond       | Benzaldehyde               | 100-52-7          | 6.94E-11  |
| ATK Ranch Pond       | Benzene                    | 71-43-2           | 2.65E-14  |
| ATK Ranch Pond       | Benzo(a)anthracene         | 56-55-3           | 1.59E-10  |
| ATK Ranch Pond       | Benzo(a)pyrene             | 50-32-8           | 1.92E-11  |
| ATK Ranch Pond       | Benzo(b)fluoranthene       | 205-99-2          | 1.43E-10  |
| ATK Ranch Pond       | benzo(g,h,i)perylene       | 191-24-2          | 2.30E-09  |
| ATK Ranch Pond       | Benzo(k)fluoranthene       | 207-08-9          | 1.14E-09  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| ATK Ranch Pond       | Benzoic acid                               | 65-85-0           | 3.32E-11  |
| ATK Ranch Pond       | Benzyl alcohol                             | 100-51-6          | 1.04E-12  |
| ATK Ranch Pond       | Benzyl chloride                            | 100-44-7          | 2.94E-14  |
| ATK Ranch Pond       | Bis(2-chlorethyl)ether                     | 111-44-4          | 4.65E-13  |
| ATK Ranch Pond       | bis(2-chloroethoxy)methane                 | 111-91-1          | 2.81E-13  |
| ATK Ranch Pond       | Bromodichloromethane                       | 75-27-4           | 4.64E-14  |
| ATK Ranch Pond       | Bromoform (Tribromomethane)                | 75-25-2           | 1.53E-17  |
| ATK Ranch Pond       | Bromophenyl-phenylether, 4-                | 101-55-3          | 6.71E-10  |
| ATK Ranch Pond       | Butylbenzylphthalate                       | 85-68-7           | 2.20E-13  |
| ATK Ranch Pond       | Cadmium                                    | 7440-43-9         | 4.72E-15  |
| ATK Ranch Pond       | carbazole                                  | 86-74-8           | 1.67E-10  |
| ATK Ranch Pond       | Carbon disulfide                           | 75-15-0           | 2.59E-16  |
| ATK Ranch Pond       | Carbon tetrachloride                       | 56-23-5           | 2.04E-15  |
| ATK Ranch Pond       | Chlorine                                   | 7782-50-5         | 8.33E-09  |
| ATK Ranch Pond       | Chloro-3-methylphenol, 4-                  | 59-50-7           | 4.00E-11  |
| ATK Ranch Pond       | chloroacetonitrile                         | 107-14-2          | 2.07E-14  |
| ATK Ranch Pond       | Chloroaniline, p-                          | 106-47-8          | 6.22E-13  |
| ATK Ranch Pond       | Chlorobenzene                              | 108-90-7          | 3.69E-15  |
| ATK Ranch Pond       | Chloroethane                               | 75-00-3           | 5.36E-18  |
| ATK Ranch Pond       | Chloroform (Trichloromethane)              | 67-66-3           | 1.15E-15  |
| ATK Ranch Pond       | Chloronaphthalene,2-                       | 91-58-7           | 2.16E-11  |
| ATK Ranch Pond       | Chlorophenol, 2-                           | 95-57-8           | 1.21E-11  |
| ATK Ranch Pond       | Chromium                                   | 7440-47-3         | 3.94E-09  |
| ATK Ranch Pond       | Chromium, hexavalent                       | 18540-29-9        | 3.24E-09  |
| ATK Ranch Pond       | Chrysene                                   | 218-01-9          | 2.13E-10  |
| ATK Ranch Pond       | cis-1,3-dichloropropene                    | 10062-01-5        | 2.21E-15  |
| ATK Ranch Pond       | cis-2-butene                               | 590-18-1          | 3.33E-17  |
| ATK Ranch Pond       | cobalt                                     | 7440-48-4         | 3.01E-13  |
| ATK Ranch Pond       | copper                                     | 7440-50-8         | 6.28E-11  |
| ATK Ranch Pond       | Cresol, m-                                 | 108-39-4          | 2.81E-13  |
| ATK Ranch Pond       | Cresol, o-                                 | 95-48-7           | 3.07E-12  |
| ATK Ranch Pond       | Cresol, p-                                 | 106-44-5          | 1.61E-14  |
| ATK Ranch Pond       | crotonaldehyde                             | 4170-30-3         | 1.07E-13  |
| ATK Ranch Pond       | Cumene (Isopropylbenzene)                  | 98-82-8           | 2.92E-15  |
| ATK Ranch Pond       | cyclohexane                                | 110-82-7          | 1.95E-16  |
| ATK Ranch Pond       | Dibenz(a,h)anthracene                      | 53-70-3           | 5.45E-11  |
| ATK Ranch Pond       | dibenzofuran                               | 132-64-9          | 6.20E-12  |
| ATK Ranch Pond       | Dibromochloromethane                       | 124-48-1          | 5.91E-13  |
| ATK Ranch Pond       | Dichlorobenzene, 1,2-                      | 95-50-1           | 1.46E-14  |
| ATK Ranch Pond       | Dichlorobenzene, 1,3-                      | 541-73-1          | 2.24E-14  |
| ATK Ranch Pond       | Dichlorobenzene,1,4-                       | 106-46-7          | 3.82E-15  |
| ATK Ranch Pond       | Dichloroethane 1,1-                        | 75-34-3           | 4.19E-17  |
| ATK Ranch Pond       | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 1.68E-16  |
| ATK Ranch Pond       | Dichloroethylene 1,1-                      | 75-35-4           | 2.00E-17  |
| ATK Ranch Pond       | Dichloroethylene, cis-1,2-                 | 156-59-2          | 1.86E-15  |
| ATK Ranch Pond       | Dichloroethylene-1,2 (trans)               | 156-60-5          | 9.89E-17  |
| ATK Ranch Pond       | Dichlorophenol, 2,4-                       | 120-83-2          | 1.73E-12  |



| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| ATK Ranch Pond       | Dichloropropane, 1,2-                         | 78-87-5           | 1.38E-16  |
| ATK Ranch Pond       | Diethyl phthalate                             | 84-66-2           | 8.07E-12  |
| ATK Ranch Pond       | Dimethyl phthalate                            | 131-11-3          | 4.66E-13  |
| ATK Ranch Pond       | Dimethylphenol, 2,4-                          | 105-67-9          | 9.03E-12  |
| ATK Ranch Pond       | Di-n-butyl phthalate                          | 84-74-2           | 4.83E-11  |
| ATK Ranch Pond       | Dinitrobenzene, 1,3-                          | 99-65-0           | 8.00E-12  |
| ATK Ranch Pond       | Dinitrophenol, 2,4-                           | 51-28-5           | 1.79E-13  |
| ATK Ranch Pond       | Dinitrotoluene, 2,4-                          | 121-14-2          | 2.29E-12  |
| ATK Ranch Pond       | Dinitrotoluene, 2,6-                          | 606-20-2          | 1.69E-12  |
| ATK Ranch Pond       | Di-n-octylphthalate                           | 117-84-0          | 2.57E-11  |
| ATK Ranch Pond       | Dioxane, 1,4-                                 | 123-91-1          | 5.22E-15  |
| ATK Ranch Pond       | diphenylamine                                 | 122-39-4          | 4.91E-11  |
| ATK Ranch Pond       | Ethyl methacrylate                            | 97-63-2           | 1.19E-12  |
| ATK Ranch Pond       | Ethylbenzene                                  | 100-41-4          | 1.23E-14  |
| ATK Ranch Pond       | Ethylene Dibromide                            | 106-93-4          | 8.49E-14  |
| ATK Ranch Pond       | ethylether                                    | 60-29-7           | 1.00E-15  |
| ATK Ranch Pond       | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 1.45E-11  |
| ATK Ranch Pond       | Fluoranthene                                  | 206-44-0          | 2.23E-10  |
| ATK Ranch Pond       | Fluorene                                      | 86-73-7           | 7.37E-12  |
| ATK Ranch Pond       | Formaldehyde                                  | 50-00-0           | 8.89E-12  |
| ATK Ranch Pond       | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 8.57E-14  |
| ATK Ranch Pond       | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 2.14E-12  |
| ATK Ranch Pond       | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 5.40E-13  |
| ATK Ranch Pond       | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 1.02E-14  |
| ATK Ranch Pond       | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 2.57E-14  |
| ATK Ranch Pond       | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 1.78E-14  |
| ATK Ranch Pond       | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 7.41E-13  |
| ATK Ranch Pond       | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 4.56E-13  |
| ATK Ranch Pond       | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 3.32E-13  |
| ATK Ranch Pond       | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 5.40E-13  |
| ATK Ranch Pond       | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 8.49E-12  |
| ATK Ranch Pond       | Hexachlorobenzene                             | 118-74-1          | 6.56E-12  |
| ATK Ranch Pond       | Hexachlorocyclopentadiene                     | 77-47-4           | 2.47E-11  |
| ATK Ranch Pond       | Hexachloroethane (Perchloroethane)            | 67-72-1           | 8.07E-13  |
| ATK Ranch Pond       | hexachloropropene                             | 1888-71-7         | 9.09E-14  |
| ATK Ranch Pond       | hexane  | 110-54-3          | 1.24E-15  |
| ATK Ranch Pond       | Hydrogen chloride                             | 7647-01-0         | 1.26E-08  |
| ATK Ranch Pond       | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 1.92E-10  |
| ATK Ranch Pond       | Isophorone                                    | 78-59-1           | 3.52E-13  |
| ATK Ranch Pond       | Lead  | 7439-92-1         | 6.14E-11  |
| ATK Ranch Pond       | manganese                                     | 7439-96-5         | 2.36E-10  |
| ATK Ranch Pond       | Mercuric chloride                             | 7487-94-7         | 2.34E-11  |
| ATK Ranch Pond       | Methacrylonitrile                             | 126-98-7          | 5.77E-13  |
| ATK Ranch Pond       | Methyl bromide (Bromomethane)                 | 74-83-9           | 2.16E-17  |
| ATK Ranch Pond       | Methyl chloride (Chloromethane)               | 74-87-3           | 6.86E-16  |
| ATK Ranch Pond       | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 2.12E-13  |
| ATK Ranch Pond       | Methyl isobutyl ketone                        | 108-10-1          | 1.34E-13  |

| <i>Receptor Name</i> | <i>COPC Name</i>               | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--------------------------------|-------------------|---|
| ATK Ranch Pond       | Methyl mercury                 | 22967-92-6        | 4.68E-13  |
| ATK Ranch Pond       | methyl tert-butyl ether        | 1634-04-4         | 1.56E-14  |
| ATK Ranch Pond       | methylcyclohexane              | 108-87-2          | 3.01E-15  |
| ATK Ranch Pond       | Methylene chloride             | 75-09-2           | 2.35E-14  |
| ATK Ranch Pond       | methymethacrylate              | 80-62-6           | 7.62E-15  |
| ATK Ranch Pond       | Naphthalene                    | 91-20-3           | 4.26E-10  |
| ATK Ranch Pond       | Nickel                         | 7440-02-0         | 6.26E-12  |
| ATK Ranch Pond       | Nitroaniline, 2-               | 88-74-4           | 2.18E-12  |
| ATK Ranch Pond       | Nitroaniline, 3-               | 99-09-2           | 3.75E-12  |
| ATK Ranch Pond       | Nitroaniline, 4-               | 100-01-6          | 4.24E-12  |
| ATK Ranch Pond       | Nitrobenzene                   | 98-95-3           | 3.36E-13  |
| ATK Ranch Pond       | Nitrophenol, 2-                | 88-75-5           | 9.98E-12  |
| ATK Ranch Pond       | Nitrophenol, 4-                | 100-02-7          | 7.86E-13  |
| ATK Ranch Pond       | Nitroso-di-n-butylamine, n-    | 924-16-3          | 7.93E-13  |
| ATK Ranch Pond       | Nitrosodiphenylamine, N-       | 86-30-6           | 6.21E-13  |
| ATK Ranch Pond       | Nitrosodipropylamine, n-       | 621-64-7          | 9.53E-13  |
| ATK Ranch Pond       | n-nitrosodiethylamine          | 55-18-5           | 4.91E-14  |
| ATK Ranch Pond       | n-nitrosodimethylamine         | 62-75-9           | 8.44E-15  |
| ATK Ranch Pond       | n-nitrosomethylethylamine      | 10595-95-6        | 5.49E-14  |
| ATK Ranch Pond       | n-nitrosomorpholine            | 59-89-2           | 4.45E-13  |
| ATK Ranch Pond       | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 1.09E-13  |
| ATK Ranch Pond       | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 1.57E-12  |
| ATK Ranch Pond       | o-tolualdehyde                 | 529-20-4          | 4.56E-11  |
| ATK Ranch Pond       | p-dimethylaminoazobenzene      | 60-11-7           | 1.57E-09  |
| ATK Ranch Pond       | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 1.81E-14  |
| ATK Ranch Pond       | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 1.93E-13  |
| ATK Ranch Pond       | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 3.99E-13  |
| ATK Ranch Pond       | Pentachlorobenzene             | 608-93-5          | 1.05E-11  |
| ATK Ranch Pond       | pentachloroethane              | 76-01-7           | 8.87E-14  |
| ATK Ranch Pond       | Pentachloronitrobenzene (PCNB) | 82-68-8           | 6.30E-11  |
| ATK Ranch Pond       | Pentachlorophenol              | 87-86-5           | 1.59E-10  |
| ATK Ranch Pond       | perchlorate                    | 14797-73-0        | 1.09E-12  |
| ATK Ranch Pond       | Phenanthrene                   | 85-01-8           | 1.20E-10  |
| ATK Ranch Pond       | Phenol                         | 108-95-2          | 5.14E-12  |
| ATK Ranch Pond       | phosphorous                    | 7723-14-0         | 2.76E-10  |
| ATK Ranch Pond       | propanal                       | 123-38-6          | 2.27E-13  |
| ATK Ranch Pond       | propylbenzene                  | 103-65-1          | 5.62E-14  |
| ATK Ranch Pond       | propylene                      | 115-07-1          | 5.30E-16  |
| ATK Ranch Pond       | Pyrene                         | 129-00-0          | 8.13E-10  |
| ATK Ranch Pond       | Pyridine                       | 110-86-1          | 3.68E-14  |
| ATK Ranch Pond       | Selenium                       | 7782-49-2         | 3.45E-14  |
| ATK Ranch Pond       | Silver                         | 7440-22-4         | 1.89E-10  |
| ATK Ranch Pond       | Styrene                        | 100-42-5          | 6.66E-13  |
| ATK Ranch Pond       | TetraCDD, 2,3,7,8-             | 1746-01-6         | 3.51E-15  |
| ATK Ranch Pond       | TetraCDF, 2,3,7,8-             | 51207-31-9        | 5.39E-14  |
| ATK Ranch Pond       | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 1.78E-12  |
| ATK Ranch Pond       | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 2.98E-15  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| ATK Ranch Pond       | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 5.43E-16  |
| ATK Ranch Pond       | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 7.44E-12  |
| ATK Ranch Pond       | Tetrahydrofuran                         | 109-99-9          | 3.53E-15  |
| ATK Ranch Pond       | Toluene                                 | 108-88-3          | 1.59E-14  |
| ATK Ranch Pond       | Toluidine, o-                           | 95-53-4           | 2.93E-12  |
| ATK Ranch Pond       | trans-1,3-dichloropropene               | 10061-02-6        | 3.51E-15  |
| ATK Ranch Pond       | trans-2-butene                          | 624-64-6          | 1.25E-16  |
| ATK Ranch Pond       | Trichlorobenzene, 1,2,4-                | 120-82-1          | 4.99E-14  |
| ATK Ranch Pond       | Trichloroethane, 1,1,1-                 | 71-55-6           | 4.06E-17  |
| ATK Ranch Pond       | Trichloroethane, 1,1,2-                 | 79-00-5           | 9.32E-16  |
| ATK Ranch Pond       | Trichloroethylene                       | 79-01-6           | 3.56E-16  |
| ATK Ranch Pond       | Trichlorophenol, 2,4,5-                 | 95-95-4           | 5.04E-11  |
| ATK Ranch Pond       | Trichlorophenol, 2,4,6-                 | 88-06-2           | 4.39E-12  |
| ATK Ranch Pond       | Trimethylbenzene, 1,3,5-                | 108-67-8          | 2.00E-13  |
| ATK Ranch Pond       | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 6.89E-12  |
| ATK Ranch Pond       | undecane                                | 1120-21-4         | 4.04E-13  |
| ATK Ranch Pond       | Vinyl Chloride                          | 75-01-4           | 8.91E-17  |
| ATK Ranch Pond       | Xylene, m-                              | 108-38-3          | 1.58E-14  |
| ATK Ranch Pond       | Xylene, o-                              | 95-47-6           | 1.90E-14  |
| ATK Ranch Pond       | Xylene, p-                              | 106-42-3          | 1.31E-14  |
| ATK Ranch Pond       | Zinc                                    | 7440-66-6         | 5.77E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|----------------------------|-------------------|---|
| Blue Creek           | 1,2,3-Trimethylbenzene     | 526-73-8          | 2.62E-13  |
| Blue Creek           | 1,2,4-Trimethylbenzene     | 95-63-6           | 1.34E-11  |
| Blue Creek           | 1,4-Diethylbenzene         | 105-05-5          | 1.38E-12  |
| Blue Creek           | 1-butene                   | 106-98-9          | 1.24E-14  |
| Blue Creek           | 1-chloronaphthalene        | 90-13-1           | 1.86E-12  |
| Blue Creek           | 1-Naphthylamine            | 134-32-7          | 1.31E-09  |
| Blue Creek           | 2,2,4-trimethylpentane     | 540-84-1          | 1.53E-15  |
| Blue Creek           | 2,2-dimethylbutane         | 75-83-2           | 2.68E-15  |
| Blue Creek           | 2,3,4-trimethylpentane     | 565-75-3          | 2.44E-14  |
| Blue Creek           | 2,3-dimethylbutane         | 79-29-8           | 4.11E-15  |
| Blue Creek           | 2,3-dimethylpentane        | 565-59-3          | 1.88E-14  |
| Blue Creek           | 2,4-dimethylpentane        | 108-08-7          | 6.26E-15  |
| Blue Creek           | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 2.95E-09  |
| Blue Creek           | 2,6-dichlorophenol         | 87-65-0           | 1.18E-10  |
| Blue Creek           | 2-ethyltoluene             | 611-14-3          | 2.97E-13  |
| Blue Creek           | 2-hexanone                 | 591-78-6          | 9.94E-13  |
| Blue Creek           | 2-methylhexane             | 591-76-4          | 7.31E-13  |
| Blue Creek           | 2-methylnaphthalene        | 91-57-6           | 4.44E-10  |
| Blue Creek           | 2-methylpentane            | 107-83-5          | 6.07E-15  |
| Blue Creek           | 2-naphthylamine            | 91-59-8           | 1.15E-07  |
| Blue Creek           | 3-ethyltoluene             | 620-14-4          | 5.74E-09  |
| Blue Creek           | 3-methylheptane            | 589-81-1          | 6.63E-15  |
| Blue Creek           | 3-methylhexane             | 589-34-4          | 4.17E-13  |
| Blue Creek           | 3-methylpentane            | 96-14-0           | 1.13E-14  |
| Blue Creek           | 4,6-dinitro-2-methylphenol | 534-52-1          | 1.33E-09  |
| Blue Creek           | 4-aminobiphenyl            | 92-67-1           | 1.00E-08  |
| Blue Creek           | 4-ethyltoluene             | 622-96-8          | 3.35E-12  |
| Blue Creek           | Acenaphthene               | 83-32-9           | 3.02E-10  |
| Blue Creek           | acenaphthylene             | 208-96-8          | 1.17E-09  |
| Blue Creek           | Acetaldehyde               | 75-07-0           | 1.49E-12  |
| Blue Creek           | Acetone                    | 67-64-1           | 1.10E-11  |
| Blue Creek           | Acetonitrile               | 75-05-8           | 5.61E-13  |
| Blue Creek           | Acetophenone               | 98-86-2           | 3.30E-11  |
| Blue Creek           | Acrylonitrile              | 107-13-1          | 6.66E-13  |
| Blue Creek           | aluminum                   | 7429-90-5         | 3.53E-06  |
| Blue Creek           | Aniline                    | 62-53-3           | 8.76E-10  |
| Blue Creek           | Anthracene                 | 120-12-7          | 3.26E-10  |
| Blue Creek           | Antimony                   | 7440-36-0         | 1.77E-11  |
| Blue Creek           | Arsenic                    | 7440-38-2         | 3.02E-14  |
| Blue Creek           | Barium                     | 7440-39-3         | 1.05E-08  |
| Blue Creek           | Benzaldehyde               | 100-52-7          | 2.00E-09  |
| Blue Creek           | Benzene                    | 71-43-2           | 7.65E-13  |
| Blue Creek           | Benzo(a)anthracene         | 56-55-3           | 5.27E-09  |
| Blue Creek           | Benzo(a)pyrene             | 50-32-8           | 6.48E-10  |
| Blue Creek           | Benzo(b)fluoranthene       | 205-99-2          | 4.21E-09  |
| Blue Creek           | benzo(g,h,i)perylene       | 191-24-2          | 8.08E-08  |
| Blue Creek           | Benzo(k)fluoranthene       | 207-08-9          | 3.84E-08  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Blue Creek           | Benzoic acid                               | 65-85-0           | 9.57E-10  |
| Blue Creek           | Benzyl alcohol                             | 100-51-6          | 3.00E-11  |
| Blue Creek           | Benzyl chloride                            | 100-44-7          | 8.49E-13  |
| Blue Creek           | Bis(2-chlorethyl)ether                     | 111-44-4          | 1.34E-11  |
| Blue Creek           | bis(2-chloroethoxy)methane                 | 111-91-1          | 8.11E-12  |
| Blue Creek           | Bromodichloromethane                       | 75-27-4           | 1.34E-12  |
| Blue Creek           | Bromoform (Tribromomethane)                | 75-25-2           | 4.43E-16  |
| Blue Creek           | Bromophenyl-phenylether, 4-                | 101-55-3          | 1.94E-08  |
| Blue Creek           | Butylbenzylphthalate                       | 85-68-7           | 6.53E-12  |
| Blue Creek           | Cadmium                                    | 7440-43-9         | 1.66E-13  |
| Blue Creek           | carbazole                                  | 86-74-8           | 4.84E-09  |
| Blue Creek           | Carbon disulfide                           | 75-15-0           | 7.49E-15  |
| Blue Creek           | Carbon tetrachloride                       | 56-23-5           | 5.88E-14  |
| Blue Creek           | Chlorine                                   | 7782-50-5         | 2.41E-07  |
| Blue Creek           | Chloro-3-methylphenol, 4-                  | 59-50-7           | 1.16E-09  |
| Blue Creek           | chloroacetonitrile                         | 107-14-2          | 5.98E-13  |
| Blue Creek           | Chloroaniline, p-                          | 106-47-8          | 1.80E-11  |
| Blue Creek           | Chlorobenzene                              | 108-90-7          | 1.07E-13  |
| Blue Creek           | Chloroethane                               | 75-00-3           | 1.55E-16  |
| Blue Creek           | Chloroform (Trichloromethane)              | 67-66-3           | 3.32E-14  |
| Blue Creek           | Chloronaphthalene,2-                       | 91-58-7           | 6.24E-10  |
| Blue Creek           | Chlorophenol, 2-                           | 95-57-8           | 3.51E-10  |
| Blue Creek           | Chromium                                   | 7440-47-3         | 1.38E-07  |
| Blue Creek           | Chromium, hexavalent                       | 18540-29-9        | 1.14E-07  |
| Blue Creek           | Chrysene                                   | 218-01-9          | 6.77E-09  |
| Blue Creek           | cis-1,3-dichloropropene                    | 10062-01-5        | 6.37E-14  |
| Blue Creek           | cis-2-butene                               | 590-18-1          | 9.61E-16  |
| Blue Creek           | cobalt                                     | 7440-48-4         | 1.06E-11  |
| Blue Creek           | copper                                     | 7440-50-8         | 2.20E-09  |
| Blue Creek           | Cresol, m-                                 | 108-39-4          | 8.10E-12  |
| Blue Creek           | Cresol, o-                                 | 95-48-7           | 8.86E-11  |
| Blue Creek           | Cresol, p-                                 | 106-44-5          | 4.65E-13  |
| Blue Creek           | crotonaldehyde                             | 4170-30-3         | 3.09E-12  |
| Blue Creek           | Cumene (Isopropylbenzene)                  | 98-82-8           | 8.43E-14  |
| Blue Creek           | cyclohexane                                | 110-82-7          | 5.62E-15  |
| Blue Creek           | Dibenz(a,h)anthracene                      | 53-70-3           | 1.87E-09  |
| Blue Creek           | dibenzofuran                               | 132-64-9          | 1.79E-10  |
| Blue Creek           | Dibromochloromethane                       | 124-48-1          | 1.71E-11  |
| Blue Creek           | Dichlorobenzene, 1,2-                      | 95-50-1           | 4.23E-13  |
| Blue Creek           | Dichlorobenzene, 1,3-                      | 541-73-1          | 6.47E-13  |
| Blue Creek           | Dichlorobenzene,1,4-                       | 106-46-7          | 1.10E-13  |
| Blue Creek           | Dichloroethane 1,1-                        | 75-34-3           | 1.21E-15  |
| Blue Creek           | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 4.86E-15  |
| Blue Creek           | Dichloroethylene 1,1-                      | 75-35-4           | 5.78E-16  |
| Blue Creek           | Dichloroethylene, cis-1,2-                 | 156-59-2          | 5.37E-14  |
| Blue Creek           | Dichloroethylene-1,2 (trans)               | 156-60-5          | 2.85E-15  |
| Blue Creek           | Dichlorophenol, 2,4-                       | 120-83-2          | 5.01E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Blue Creek           | Dichloropropane, 1,2-                         | 78-87-5           | 3.98E-15  |
| Blue Creek           | Diethyl phthalate                             | 84-66-2           | 2.33E-10  |
| Blue Creek           | Dimethyl phthalate                            | 131-11-3          | 1.35E-11  |
| Blue Creek           | Dimethylphenol, 2,4-                          | 105-67-9          | 2.61E-10  |
| Blue Creek           | Di-n-butyl phthalate                          | 84-74-2           | 1.40E-09  |
| Blue Creek           | Dinitrobenzene, 1,3-                          | 99-65-0           | 2.31E-10  |
| Blue Creek           | Dinitrophenol, 2,4-                           | 51-28-5           | 5.17E-12  |
| Blue Creek           | Dinitrotoluene, 2,4-                          | 121-14-2          | 6.63E-11  |
| Blue Creek           | Dinitrotoluene, 2,6-                          | 606-20-2          | 4.87E-11  |
| Blue Creek           | Di-n-octylphthalate                           | 117-84-0          | 7.93E-10  |
| Blue Creek           | Dioxane, 1,4-                                 | 123-91-1          | 1.51E-13  |
| Blue Creek           | diphenylamine                                 | 122-39-4          | 1.42E-09  |
| Blue Creek           | Ethyl methacrylate                            | 97-63-2           | 3.43E-11  |
| Blue Creek           | Ethylbenzene                                  | 100-41-4          | 3.55E-13  |
| Blue Creek           | Ethylene Dibromide                            | 106-93-4          | 2.45E-12  |
| Blue Creek           | ethylether                                    | 60-29-7           | 2.89E-14  |
| Blue Creek           | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 4.94E-10  |
| Blue Creek           | Fluoranthene                                  | 206-44-0          | 6.48E-09  |
| Blue Creek           | Fluorene                                      | 86-73-7           | 2.13E-10  |
| Blue Creek           | Formaldehyde                                  | 50-00-0           | 2.57E-10  |
| Blue Creek           | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 2.95E-12  |
| Blue Creek           | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 7.37E-11  |
| Blue Creek           | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 1.85E-11  |
| Blue Creek           | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 3.50E-13  |
| Blue Creek           | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 8.82E-13  |
| Blue Creek           | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 6.11E-13  |
| Blue Creek           | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 2.54E-11  |
| Blue Creek           | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.56E-11  |
| Blue Creek           | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 1.14E-11  |
| Blue Creek           | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 1.85E-11  |
| Blue Creek           | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 2.45E-10  |
| Blue Creek           | Hexachlorobenzene                             | 118-74-1          | 1.89E-10  |
| Blue Creek           | Hexachlorocyclopentadiene                     | 77-47-4           | 7.15E-10  |
| Blue Creek           | Hexachloroethane (Perchloroethane)            | 67-72-1           | 2.33E-11  |
| Blue Creek           | hexachloropropene                             | 1888-71-7         | 2.63E-12  |
| Blue Creek           | hexane  | 110-54-3          | 3.59E-14  |
| Blue Creek           | Hydrogen chloride                             | 7647-01-0         | 3.63E-07  |
| Blue Creek           | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 6.74E-09  |
| Blue Creek           | Isophorone                                    | 78-59-1           | 1.02E-11  |
| Blue Creek           | Lead  | 7439-92-1         | 2.15E-09  |
| Blue Creek           | manganese                                     | 7439-96-5         | 8.29E-09  |
| Blue Creek           | Mercuric chloride                             | 7487-94-7         | 8.04E-10  |
| Blue Creek           | Methacrylonitrile                             | 126-98-7          | 1.67E-11  |
| Blue Creek           | Methyl bromide (Bromomethane)                 | 74-83-9           | 6.23E-16  |
| Blue Creek           | Methyl chloride (Chloromethane)               | 74-87-3           | 1.98E-14  |
| Blue Creek           | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 6.12E-12  |
| Blue Creek           | Methyl isobutyl ketone                        | 108-10-1          | 3.88E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Blue Creek           | Methyl mercury                 | 22967-92-6        | 1.61E-11  |
| Blue Creek           | methyl tert-butyl ether        | 1634-04-4         | 4.52E-13  |
| Blue Creek           | methylcyclohexane              | 108-87-2          | 8.70E-14  |
| Blue Creek           | Methylene chloride             | 75-09-2           | 6.79E-13  |
| Blue Creek           | methymethacrylate              | 80-62-6           | 2.20E-13  |
| Blue Creek           | Naphthalene                    | 91-20-3           | 1.23E-08  |
| Blue Creek           | Nickel                         | 7440-02-0         | 2.20E-10  |
| Blue Creek           | Nitroaniline, 2-               | 88-74-4           | 6.30E-11  |
| Blue Creek           | Nitroaniline, 3-               | 99-09-2           | 1.08E-10  |
| Blue Creek           | Nitroaniline, 4-               | 100-01-6          | 1.23E-10  |
| Blue Creek           | Nitrobenzene                   | 98-95-3           | 9.69E-12  |
| Blue Creek           | Nitrophenol, 2-                | 88-75-5           | 2.88E-10  |
| Blue Creek           | Nitrophenol, 4-                | 100-02-7          | 2.27E-11  |
| Blue Creek           | Nitroso-di-n-butylamine, n-    | 924-16-3          | 2.29E-11  |
| Blue Creek           | Nitrosodiphenylamine, N-       | 86-30-6           | 1.79E-11  |
| Blue Creek           | Nitrosodipropylamine, n-       | 621-64-7          | 2.75E-11  |
| Blue Creek           | n-nitrosodiethylamine          | 55-18-5           | 1.42E-12  |
| Blue Creek           | n-nitrosodimethylamine         | 62-75-9           | 2.44E-13  |
| Blue Creek           | n-nitrosomethylethylamine      | 10595-95-6        | 1.59E-12  |
| Blue Creek           | n-nitrosomorpholine            | 59-89-2           | 1.28E-11  |
| Blue Creek           | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 3.77E-12  |
| Blue Creek           | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 5.40E-11  |
| Blue Creek           | o-tolualdehyde                 | 529-20-4          | 1.32E-09  |
| Blue Creek           | p-dimethylaminoazobenzene      | 60-11-7           | 5.38E-08  |
| Blue Creek           | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 6.18E-13  |
| Blue Creek           | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 6.52E-12  |
| Blue Creek           | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.35E-11  |
| Blue Creek           | Pentachlorobenzene             | 608-93-5          | 3.02E-10  |
| Blue Creek           | pentachloroethane              | 76-01-7           | 2.56E-12  |
| Blue Creek           | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.82E-09  |
| Blue Creek           | Pentachlorophenol              | 87-86-5           | 4.60E-09  |
| Blue Creek           | perchlorate                    | 14797-73-0        | 3.74E-11  |
| Blue Creek           | Phenanthrene                   | 85-01-8           | 3.47E-09  |
| Blue Creek           | Phenol                         | 108-95-2          | 1.48E-10  |
| Blue Creek           | phosphorous                    | 7723-14-0         | 9.70E-09  |
| Blue Creek           | propanal                       | 123-38-6          | 6.57E-12  |
| Blue Creek           | propylbenzene                  | 103-65-1          | 1.62E-12  |
| Blue Creek           | propylene                      | 115-07-1          | 1.53E-14  |
| Blue Creek           | Pyrene                         | 129-00-0          | 2.36E-08  |
| Blue Creek           | Pyridine                       | 110-86-1          | 1.06E-12  |
| Blue Creek           | Selenium                       | 7782-49-2         | 1.21E-12  |
| Blue Creek           | Silver                         | 7440-22-4         | 6.64E-09  |
| Blue Creek           | Styrene                        | 100-42-5          | 1.92E-11  |
| Blue Creek           | TetraCDD, 2,3,7,8-             | 1746-01-6         | 1.13E-13  |
| Blue Creek           | TetraCDF, 2,3,7,8-             | 51207-31-9        | 1.70E-12  |
| Blue Creek           | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 5.15E-11  |
| Blue Creek           | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 8.62E-14  |

| <i>Receptor Name</i> | <i>COPC Name</i>                        | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Blue Creek           | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 1.57E-14  |
| Blue Creek           | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 2.15E-10  |
| Blue Creek           | Tetrahydrofuran                         | 109-99-9          | 1.02E-13  |
| Blue Creek           | Toluene                                 | 108-88-3          | 4.60E-13  |
| Blue Creek           | Toluidine, o-                           | 95-53-4           | 8.45E-11  |
| Blue Creek           | trans-1,3-dichloropropene               | 10061-02-6        | 1.01E-13  |
| Blue Creek           | trans-2-butene                          | 624-64-6          | 3.61E-15  |
| Blue Creek           | Trichlorobenzene, 1,2,4-                | 120-82-1          | 1.44E-12  |
| Blue Creek           | Trichloroethane, 1,1,1-                 | 71-55-6           | 1.17E-15  |
| Blue Creek           | Trichloroethane, 1,1,2-                 | 79-00-5           | 2.69E-14  |
| Blue Creek           | Trichloroethylene                       | 79-01-6           | 1.03E-14  |
| Blue Creek           | Trichlorophenol, 2,4,5-                 | 95-95-4           | 1.46E-09  |
| Blue Creek           | Trichlorophenol, 2,4,6-                 | 88-06-2           | 1.27E-10  |
| Blue Creek           | Trimethylbenzene, 1,3,5-                | 108-67-8          | 5.77E-12  |
| Blue Creek           | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 2.00E-10  |
| Blue Creek           | undecane                                | 1120-21-4         | 1.17E-11  |
| Blue Creek           | Vinyl Chloride                          | 75-01-4           | 2.57E-15  |
| Blue Creek           | Xylene, m-                              | 108-38-3          | 4.57E-13  |
| Blue Creek           | Xylene, o-                              | 95-47-6           | 5.49E-13  |
| Blue Creek           | Xylene, p-                              | 106-42-3          | 3.79E-13  |
| Blue Creek           | Zinc                                    | 7440-66-6         | 2.02E-10  |



| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Boundary 1           | 1,2,3-Trimethylbenzene     | 526-73-8          | 2.56E-13  |
| Boundary 1           | 1,2,4-Trimethylbenzene     | 95-63-6           | 1.32E-11  |
| Boundary 1           | 1,4-Diethylbenzene         | 105-05-5          | 1.35E-12  |
| Boundary 1           | 1-butene                   | 106-98-9          | 1.22E-14  |
| Boundary 1           | 1-chloronaphthalene        | 90-13-1           | 1.82E-12  |
| Boundary 1           | 1-Naphthylamine            | 134-32-7          | 1.28E-09  |
| Boundary 1           | 2,2,4-trimethylpentane     | 540-84-1          | 1.50E-15  |
| Boundary 1           | 2,2-dimethylbutane         | 75-83-2           | 2.62E-15  |
| Boundary 1           | 2,3,4-trimethylpentane     | 565-75-3          | 2.38E-14  |
| Boundary 1           | 2,3-dimethylbutane         | 79-29-8           | 4.02E-15  |
| Boundary 1           | 2,3-dimethylpentane        | 565-59-3          | 1.84E-14  |
| Boundary 1           | 2,4-dimethylpentane        | 108-08-7          | 6.12E-15  |
| Boundary 1           | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 2.89E-09  |
| Boundary 1           | 2,6-dichlorophenol         | 87-65-0           | 1.15E-10  |
| Boundary 1           | 2-ethyltoluene             | 611-14-3          | 2.91E-13  |
| Boundary 1           | 2-hexanone                 | 591-78-6          | 9.72E-13  |
| Boundary 1           | 2-methylhexane             | 591-76-4          | 7.15E-13  |
| Boundary 1           | 2-methylnaphthalene        | 91-57-6           | 4.34E-10  |
| Boundary 1           | 2-methylpentane            | 107-83-5          | 5.94E-15  |
| Boundary 1           | 2-naphthylamine            | 91-59-8           | 1.03E-07  |
| Boundary 1           | 3-ethyltoluene             | 620-14-4          | 5.61E-09  |
| Boundary 1           | 3-methylheptane            | 589-81-1          | 6.49E-15  |
| Boundary 1           | 3-methylhexane             | 589-34-4          | 4.08E-13  |
| Boundary 1           | 3-methylpentane            | 96-14-0           | 1.11E-14  |
| Boundary 1           | 4,6-dinitro-2-methylphenol | 534-52-1          | 1.29E-09  |
| Boundary 1           | 4-aminobiphenyl            | 92-67-1           | 9.64E-09  |
| Boundary 1           | 4-ethyltoluene             | 622-96-8          | 3.28E-12  |
| Boundary 1           | Acenaphthene               | 83-32-9           | 2.96E-10  |
| Boundary 1           | acenaphthylene             | 208-96-8          | 1.14E-09  |
| Boundary 1           | Acetaldehyde               | 75-07-0           | 1.46E-12  |
| Boundary 1           | Acetone                    | 67-64-1           | 1.08E-11  |
| Boundary 1           | Acetonitrile               | 75-05-8           | 5.49E-13  |
| Boundary 1           | Acetophenone               | 98-86-2           | 3.23E-11  |
| Boundary 1           | Acrylonitrile              | 107-13-1          | 6.52E-13  |
| Boundary 1           | aluminum                   | 7429-90-5         | 2.92E-06  |
| Boundary 1           | Aniline                    | 62-53-3           | 8.57E-10  |
| Boundary 1           | Anthracene                 | 120-12-7          | 3.18E-10  |
| Boundary 1           | Antimony                   | 7440-36-0         | 1.73E-11  |
| Boundary 1           | Arsenic                    | 7440-38-2         | 2.51E-14  |
| Boundary 1           | Barium                     | 7440-39-3         | 8.72E-09  |
| Boundary 1           | Benzaldehyde               | 100-52-7          | 1.96E-09  |
| Boundary 1           | Benzene                    | 71-43-2           | 7.49E-13  |
| Boundary 1           | Benzo(a)anthracene         | 56-55-3           | 4.51E-09  |
| Boundary 1           | Benzo(a)pyrene             | 50-32-8           | 5.44E-10  |
| Boundary 1           | Benzo(b)fluoranthene       | 205-99-2          | 4.04E-09  |
| Boundary 1           | benzo(g,h,i)perylene       | 191-24-2          | 6.70E-08  |
| Boundary 1           | Benzo(k)fluoranthene       | 207-08-9          | 3.22E-08  |

| <b>Receptor Name</b> | <b>COPC Name</b>                           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--|-------------------|---|
| Boundary 1           | Benzoic acid                               | 65-85-0           | 9.37E-10  |
| Boundary 1           | Benzyl alcohol                             | 100-51-6          | 2.93E-11  |
| Boundary 1           | Benzyl chloride                            | 100-44-7          | 8.31E-13  |
| Boundary 1           | Bis(2-chlorethyl)ether                     | 111-44-4          | 1.31E-11  |
| Boundary 1           | bis(2-chloroethoxy)methane                 | 111-91-1          | 7.94E-12  |
| Boundary 1           | Bromodichloromethane                       | 75-27-4           | 1.31E-12  |
| Boundary 1           | Bromoform (Tribromomethane)                | 75-25-2           | 4.34E-16  |
| Boundary 1           | Bromophenyl-phenylether, 4-                | 101-55-3          | 1.90E-08  |
| Boundary 1           | Butylbenzylphthalate                       | 85-68-7           | 6.22E-12  |
| Boundary 1           | Cadmium                                    | 7440-43-9         | 1.37E-13  |
| Boundary 1           | carbazole                                  | 86-74-8           | 4.73E-09  |
| Boundary 1           | Carbon disulfide                           | 75-15-0           | 7.33E-15  |
| Boundary 1           | Carbon tetrachloride                       | 56-23-5           | 5.75E-14  |
| Boundary 1           | Chlorine                                   | 7782-50-5         | 2.36E-07  |
| Boundary 1           | Chloro-3-methylphenol, 4-                  | 59-50-7           | 1.13E-09  |
| Boundary 1           | chloroacetonitrile                         | 107-14-2          | 5.85E-13  |
| Boundary 1           | Chloroaniline, p-                          | 106-47-8          | 1.76E-11  |
| Boundary 1           | Chlorobenzene                              | 108-90-7          | 1.04E-13  |
| Boundary 1           | Chloroethane                               | 75-00-3           | 1.51E-16  |
| Boundary 1           | Chloroform (Trichloromethane)              | 67-66-3           | 3.25E-14  |
| Boundary 1           | Chloronaphthalene,2-                       | 91-58-7           | 6.10E-10  |
| Boundary 1           | Chlorophenol, 2-                           | 95-57-8           | 3.43E-10  |
| Boundary 1           | Chromium                                   | 7440-47-3         | 1.15E-07  |
| Boundary 1           | Chromium, hexavalent                       | 18540-29-9        | 9.44E-08  |
| Boundary 1           | Chrysene                                   | 218-01-9          | 6.04E-09  |
| Boundary 1           | cis-1,3-dichloropropene                    | 10062-01-5        | 6.24E-14  |
| Boundary 1           | cis-2-butene                               | 590-18-1          | 9.41E-16  |
| Boundary 1           | cobalt                                     | 7440-48-4         | 8.77E-12  |
| Boundary 1           | copper                                     | 7440-50-8         | 1.83E-09  |
| Boundary 1           | Cresol, m-                                 | 108-39-4          | 7.93E-12  |
| Boundary 1           | Cresol, o-                                 | 95-48-7           | 8.67E-11  |
| Boundary 1           | Cresol, p-                                 | 106-44-5          | 4.55E-13  |
| Boundary 1           | crotonaldehyde                             | 4170-30-3         | 3.03E-12  |
| Boundary 1           | Cumene (Isopropylbenzene)                  | 98-82-8           | 8.25E-14  |
| Boundary 1           | cyclohexane                                | 110-82-7          | 5.50E-15  |
| Boundary 1           | Dibenz(a,h)anthracene                      | 53-70-3           | 1.55E-09  |
| Boundary 1           | dibenzofuran                               | 132-64-9          | 1.75E-10  |
| Boundary 1           | Dibromochloromethane                       | 124-48-1          | 1.67E-11  |
| Boundary 1           | Dichlorobenzene, 1,2-                      | 95-50-1           | 4.14E-13  |
| Boundary 1           | Dichlorobenzene, 1,3-                      | 541-73-1          | 6.33E-13  |
| Boundary 1           | Dichlorobenzene,1,4-                       | 106-46-7          | 1.08E-13  |
| Boundary 1           | Dichloroethane 1,1-                        | 75-34-3           | 1.18E-15  |
| Boundary 1           | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 4.75E-15  |
| Boundary 1           | Dichloroethylene 1,1-                      | 75-35-4           | 5.65E-16  |
| Boundary 1           | Dichloroethylene, cis-1,2-                 | 156-59-2          | 5.25E-14  |
| Boundary 1           | Dichloroethylene-1,2 (trans)               | 156-60-5          | 2.79E-15  |
| Boundary 1           | Dichlorophenol, 2,4-                       | 120-83-2          | 4.90E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 1           | Dichloropropane, 1,2-                         | 78-87-5           | 3.90E-15  |
| Boundary 1           | Diethyl phthalate                             | 84-66-2           | 2.28E-10  |
| Boundary 1           | Dimethyl phthalate                            | 131-11-3          | 1.32E-11  |
| Boundary 1           | Dimethylphenol, 2,4-                          | 105-67-9          | 2.55E-10  |
| Boundary 1           | Di-n-butyl phthalate                          | 84-74-2           | 1.36E-09  |
| Boundary 1           | Dinitrobenzene, 1,3-                          | 99-65-0           | 2.26E-10  |
| Boundary 1           | Dinitrophenol, 2,4-                           | 51-28-5           | 5.05E-12  |
| Boundary 1           | Dinitrotoluene, 2,4-                          | 121-14-2          | 6.48E-11  |
| Boundary 1           | Dinitrotoluene, 2,6-                          | 606-20-2          | 4.76E-11  |
| Boundary 1           | Di-n-octylphthalate                           | 117-84-0          | 7.28E-10  |
| Boundary 1           | Dioxane, 1,4-                                 | 123-91-1          | 1.48E-13  |
| Boundary 1           | diphenylamine                                 | 122-39-4          | 1.39E-09  |
| Boundary 1           | Ethyl methacrylate                            | 97-63-2           | 3.36E-11  |
| Boundary 1           | Ethylbenzene                                  | 100-41-4          | 3.47E-13  |
| Boundary 1           | Ethylene Dibromide                            | 106-93-4          | 2.40E-12  |
| Boundary 1           | ethylether                                    | 60-29-7           | 2.83E-14  |
| Boundary 1           | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 4.10E-10  |
| Boundary 1           | Fluoranthene                                  | 206-44-0          | 6.31E-09  |
| Boundary 1           | Fluorene                                      | 86-73-7           | 2.08E-10  |
| Boundary 1           | Formaldehyde                                  | 50-00-0           | 2.51E-10  |
| Boundary 1           | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 2.43E-12  |
| Boundary 1           | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 6.09E-11  |
| Boundary 1           | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 1.53E-11  |
| Boundary 1           | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 2.89E-13  |
| Boundary 1           | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 7.29E-13  |
| Boundary 1           | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 5.04E-13  |
| Boundary 1           | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 2.10E-11  |
| Boundary 1           | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.29E-11  |
| Boundary 1           | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 9.43E-12  |
| Boundary 1           | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 1.53E-11  |
| Boundary 1           | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 2.40E-10  |
| Boundary 1           | Hexachlorobenzene                             | 118-74-1          | 1.85E-10  |
| Boundary 1           | Hexachlorocyclopentadiene                     | 77-47-4           | 6.99E-10  |
| Boundary 1           | Hexachloroethane (Perchloroethane)            | 67-72-1           | 2.28E-11  |
| Boundary 1           | hexachloropropene                             | 1888-71-7         | 2.57E-12  |
| Boundary 1           | hexane  | 110-54-3          | 3.51E-14  |
| Boundary 1           | Hydrogen chloride                             | 7647-01-0         | 3.55E-07  |
| Boundary 1           | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 5.59E-09  |
| Boundary 1           | Isophorone                                    | 78-59-1           | 9.96E-12  |
| Boundary 1           | Lead  | 7439-92-1         | 1.79E-09  |
| Boundary 1           | manganese                                     | 7439-96-5         | 6.87E-09  |
| Boundary 1           | Mercuric chloride                             | 7487-94-7         | 6.64E-10  |
| Boundary 1           | Methacrylonitrile                             | 126-98-7          | 1.63E-11  |
| Boundary 1           | Methyl bromide (Bromomethane)                 | 74-83-9           | 6.09E-16  |
| Boundary 1           | Methyl chloride (Chloromethane)               | 74-87-3           | 1.94E-14  |
| Boundary 1           | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 5.99E-12  |
| Boundary 1           | Methyl isobutyl ketone                        | 108-10-1          | 3.80E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Boundary 1           | Methyl mercury                 | 22967-92-6        | 1.33E-11  |
| Boundary 1           | methyl tert-butyl ether        | 1634-04-4         | 4.42E-13  |
| Boundary 1           | methylcyclohexane              | 108-87-2          | 8.51E-14  |
| Boundary 1           | Methylene chloride             | 75-09-2           | 6.65E-13  |
| Boundary 1           | methymethacrylate              | 80-62-6           | 2.15E-13  |
| Boundary 1           | Naphthalene                    | 91-20-3           | 1.20E-08  |
| Boundary 1           | Nickel                         | 7440-02-0         | 1.82E-10  |
| Boundary 1           | Nitroaniline, 2-               | 88-74-4           | 6.16E-11  |
| Boundary 1           | Nitroaniline, 3-               | 99-09-2           | 1.06E-10  |
| Boundary 1           | Nitroaniline, 4-               | 100-01-6          | 1.20E-10  |
| Boundary 1           | Nitrobenzene                   | 98-95-3           | 9.49E-12  |
| Boundary 1           | Nitrophenol, 2-                | 88-75-5           | 2.82E-10  |
| Boundary 1           | Nitrophenol, 4-                | 100-02-7          | 2.22E-11  |
| Boundary 1           | Nitroso-di-n-butylamine, n-    | 924-16-3          | 2.24E-11  |
| Boundary 1           | Nitrosodiphenylamine, N-       | 86-30-6           | 1.75E-11  |
| Boundary 1           | Nitrosodipropylamine, n-       | 621-64-7          | 2.69E-11  |
| Boundary 1           | n-nitrosodiethylamine          | 55-18-5           | 1.39E-12  |
| Boundary 1           | n-nitrosodimethylamine         | 62-75-9           | 2.38E-13  |
| Boundary 1           | n-nitrosomethylethylamine      | 10595-95-6        | 1.55E-12  |
| Boundary 1           | n-nitrosomorpholine            | 59-89-2           | 1.26E-11  |
| Boundary 1           | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 3.11E-12  |
| Boundary 1           | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 4.45E-11  |
| Boundary 1           | o-tolualdehyde                 | 529-20-4          | 1.29E-09  |
| Boundary 1           | p-dimethylaminoazobenzene      | 60-11-7           | 4.45E-08  |
| Boundary 1           | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 5.13E-13  |
| Boundary 1           | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 5.47E-12  |
| Boundary 1           | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.13E-11  |
| Boundary 1           | Pentachlorobenzene             | 608-93-5          | 2.96E-10  |
| Boundary 1           | pentachloroethane              | 76-01-7           | 2.51E-12  |
| Boundary 1           | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.78E-09  |
| Boundary 1           | Pentachlorophenol              | 87-86-5           | 4.50E-09  |
| Boundary 1           | perchlorate                    | 14797-73-0        | 3.09E-11  |
| Boundary 1           | Phenanthrene                   | 85-01-8           | 3.39E-09  |
| Boundary 1           | Phenol                         | 108-95-2          | 1.45E-10  |
| Boundary 1           | phosphorous                    | 7723-14-0         | 8.04E-09  |
| Boundary 1           | propanal                       | 123-38-6          | 6.43E-12  |
| Boundary 1           | propylbenzene                  | 103-65-1          | 1.59E-12  |
| Boundary 1           | propylene                      | 115-07-1          | 1.50E-14  |
| Boundary 1           | Pyrene                         | 129-00-0          | 2.30E-08  |
| Boundary 1           | Pyridine                       | 110-86-1          | 1.04E-12  |
| Boundary 1           | Selenium                       | 7782-49-2         | 1.00E-12  |
| Boundary 1           | Silver                         | 7440-22-4         | 5.51E-09  |
| Boundary 1           | Styrene                        | 100-42-5          | 1.88E-11  |
| Boundary 1           | TetraCDD, 2,3,7,8-             | 1746-01-6         | 9.94E-14  |
| Boundary 1           | TetraCDF, 2,3,7,8-             | 51207-31-9        | 1.53E-12  |
| Boundary 1           | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 5.04E-11  |
| Boundary 1           | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 8.43E-14  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 1           | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 1.53E-14  |
| Boundary 1           | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 2.10E-10  |
| Boundary 1           | Tetrahydrofuran                         | 109-99-9          | 9.97E-14  |
| Boundary 1           | Toluene                                 | 108-88-3          | 4.50E-13  |
| Boundary 1           | Toluidine, o-                           | 95-53-4           | 8.27E-11  |
| Boundary 1           | trans-1,3-dichloropropene               | 10061-02-6        | 9.92E-14  |
| Boundary 1           | trans-2-butene                          | 624-64-6          | 3.53E-15  |
| Boundary 1           | Trichlorobenzene, 1,2,4-                | 120-82-1          | 1.41E-12  |
| Boundary 1           | Trichloroethane, 1,1,1-                 | 71-55-6           | 1.15E-15  |
| Boundary 1           | Trichloroethane, 1,1,2-                 | 79-00-5           | 2.63E-14  |
| Boundary 1           | Trichloroethylene                       | 79-01-6           | 1.01E-14  |
| Boundary 1           | Trichlorophenol, 2,4,5-                 | 95-95-4           | 1.42E-09  |
| Boundary 1           | Trichlorophenol, 2,4,6-                 | 88-06-2           | 1.24E-10  |
| Boundary 1           | Trimethylbenzene, 1,3,5-                | 108-67-8          | 5.65E-12  |
| Boundary 1           | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.95E-10  |
| Boundary 1           | undecane                                | 1120-21-4         | 1.14E-11  |
| Boundary 1           | Vinyl Chloride                          | 75-01-4           | 2.52E-15  |
| Boundary 1           | Xylene, m-                              | 108-38-3          | 4.47E-13  |
| Boundary 1           | Xylene, o-                              | 95-47-6           | 5.38E-13  |
| Boundary 1           | Xylene, p-                              | 106-42-3          | 3.71E-13  |
| Boundary 1           | Zinc                                    | 7440-66-6         | 1.68E-10  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Boundary 2           | 1,2,3-Trimethylbenzene     | 526-73-8          | 9.96E-14  |
| Boundary 2           | 1,2,4-Trimethylbenzene     | 95-63-6           | 5.11E-12  |
| Boundary 2           | 1,4-Diethylbenzene         | 105-05-5          | 5.25E-13  |
| Boundary 2           | 1-butene                   | 106-98-9          | 4.73E-15  |
| Boundary 2           | 1-chloronaphthalene        | 90-13-1           | 7.06E-13  |
| Boundary 2           | 1-Naphthylamine            | 134-32-7          | 4.99E-10  |
| Boundary 2           | 2,2,4-trimethylpentane     | 540-84-1          | 5.81E-16  |
| Boundary 2           | 2,2-dimethylbutane         | 75-83-2           | 1.02E-15  |
| Boundary 2           | 2,3,4-trimethylpentane     | 565-75-3          | 9.26E-15  |
| Boundary 2           | 2,3-dimethylbutane         | 79-29-8           | 1.56E-15  |
| Boundary 2           | 2,3-dimethylpentane        | 565-59-3          | 7.15E-15  |
| Boundary 2           | 2,4-dimethylpentane        | 108-08-7          | 2.38E-15  |
| Boundary 2           | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 1.12E-09  |
| Boundary 2           | 2,6-dichlorophenol         | 87-65-0           | 4.47E-11  |
| Boundary 2           | 2-ethyltoluene             | 611-14-3          | 1.13E-13  |
| Boundary 2           | 2-hexanone                 | 591-78-6          | 3.78E-13  |
| Boundary 2           | 2-methylhexane             | 591-76-4          | 2.78E-13  |
| Boundary 2           | 2-methylnaphthalene        | 91-57-6           | 1.69E-10  |
| Boundary 2           | 2-methylpentane            | 107-83-5          | 2.31E-15  |
| Boundary 2           | 2-naphthylamine            | 91-59-8           | 3.69E-08  |
| Boundary 2           | 3-ethyltoluene             | 620-14-4          | 2.18E-09  |
| Boundary 2           | 3-methylheptane            | 589-81-1          | 2.52E-15  |
| Boundary 2           | 3-methylhexane             | 589-34-4          | 1.58E-13  |
| Boundary 2           | 3-methylpentane            | 96-14-0           | 4.30E-15  |
| Boundary 2           | 4,6-dinitro-2-methylphenol | 534-52-1          | 5.00E-10  |
| Boundary 2           | 4-aminobiphenyl            | 92-67-1           | 3.69E-09  |
| Boundary 2           | 4-ethyltoluene             | 622-96-8          | 1.27E-12  |
| Boundary 2           | Acenaphthene               | 83-32-9           | 1.15E-10  |
| Boundary 2           | acenaphthylene             | 208-96-8          | 4.44E-10  |
| Boundary 2           | Acetaldehyde               | 75-07-0           | 5.68E-13  |
| Boundary 2           | Acetone                    | 67-64-1           | 4.19E-12  |
| Boundary 2           | Acetonitrile               | 75-05-8           | 2.13E-13  |
| Boundary 2           | Acetophenone               | 98-86-2           | 1.25E-11  |
| Boundary 2           | Acrylonitrile              | 107-13-1          | 2.53E-13  |
| Boundary 2           | aluminum                   | 7429-90-5         | 1.03E-06  |
| Boundary 2           | Aniline                    | 62-53-3           | 3.33E-10  |
| Boundary 2           | Anthracene                 | 120-12-7          | 1.23E-10  |
| Boundary 2           | Antimony                   | 7440-36-0         | 6.73E-12  |
| Boundary 2           | Arsenic                    | 7440-38-2         | 8.82E-15  |
| Boundary 2           | Barium                     | 7440-39-3         | 3.07E-09  |
| Boundary 2           | Benzaldehyde               | 100-52-7          | 7.62E-10  |
| Boundary 2           | Benzene                    | 71-43-2           | 2.91E-13  |
| Boundary 2           | Benzo(a)anthracene         | 56-55-3           | 1.55E-09  |
| Boundary 2           | Benzo(a)pyrene             | 50-32-8           | 1.83E-10  |
| Boundary 2           | Benzo(b)fluoranthene       | 205-99-2          | 1.55E-09  |
| Boundary 2           | benzo(g,h,i)perylene       | 191-24-2          | 2.35E-08  |
| Boundary 2           | Benzo(k)fluoranthene       | 207-08-9          | 1.08E-08  |

| <b>Receptor Name</b> | <b>COPC Name</b>                           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--|-------------------|---|
| Boundary 2           | Benzoic acid                               | 65-85-0           | 3.64E-10  |
| Boundary 2           | Benzyl alcohol                             | 100-51-6          | 1.14E-11  |
| Boundary 2           | Benzyl chloride                            | 100-44-7          | 3.23E-13  |
| Boundary 2           | Bis(2-chlorethyl)ether                     | 111-44-4          | 5.10E-12  |
| Boundary 2           | bis(2-chloroethoxy)methane                 | 111-91-1          | 3.08E-12  |
| Boundary 2           | Bromodichloromethane                       | 75-27-4           | 5.09E-13  |
| Boundary 2           | Bromoform (Tribromomethane)                | 75-25-2           | 1.68E-16  |
| Boundary 2           | Bromophenyl-phenylether, 4-                | 101-55-3          | 7.37E-09  |
| Boundary 2           | Butylbenzylphthalate                       | 85-68-7           | 2.36E-12  |
| Boundary 2           | Cadmium                                    | 7440-43-9         | 4.83E-14  |
| Boundary 2           | carbazole                                  | 86-74-8           | 1.83E-09  |
| Boundary 2           | Carbon disulfide                           | 75-15-0           | 2.85E-15  |
| Boundary 2           | Carbon tetrachloride                       | 56-23-5           | 2.23E-14  |
| Boundary 2           | Chlorine                                   | 7782-50-5         | 9.15E-08  |
| Boundary 2           | Chloro-3-methylphenol, 4-                  | 59-50-7           | 4.40E-10  |
| Boundary 2           | chloroacetonitrile                         | 107-14-2          | 2.27E-13  |
| Boundary 2           | Chloroaniline, p-                          | 106-47-8          | 6.82E-12  |
| Boundary 2           | Chlorobenzene                              | 108-90-7          | 4.05E-14  |
| Boundary 2           | Chloroethane                               | 75-00-3           | 5.88E-17  |
| Boundary 2           | Chloroform (Trichloromethane)              | 67-66-3           | 1.26E-14  |
| Boundary 2           | Chloronaphthalene,2-                       | 91-58-7           | 2.37E-10  |
| Boundary 2           | Chlorophenol, 2-                           | 95-57-8           | 1.33E-10  |
| Boundary 2           | Chromium                                   | 7440-47-3         | 4.03E-08  |
| Boundary 2           | Chromium, hexavalent                       | 18540-29-9        | 3.32E-08  |
| Boundary 2           | Chrysene                                   | 218-01-9          | 2.16E-09  |
| Boundary 2           | cis-1,3-dichloropropene                    | 10062-01-5        | 2.42E-14  |
| Boundary 2           | cis-2-butene                               | 590-18-1          | 3.65E-16  |
| Boundary 2           | cobalt                                     | 7440-48-4         | 3.08E-12  |
| Boundary 2           | copper                                     | 7440-50-8         | 6.42E-10  |
| Boundary 2           | Cresol, m-                                 | 108-39-4          | 3.08E-12  |
| Boundary 2           | Cresol, o-                                 | 95-48-7           | 3.37E-11  |
| Boundary 2           | Cresol, p-                                 | 106-44-5          | 1.77E-13  |
| Boundary 2           | crotonaldehyde                             | 4170-30-3         | 1.18E-12  |
| Boundary 2           | Cumene (Isopropylbenzene)                  | 98-82-8           | 3.20E-14  |
| Boundary 2           | cyclohexane                                | 110-82-7          | 2.14E-15  |
| Boundary 2           | Dibenz(a,h)anthracene                      | 53-70-3           | 5.11E-10  |
| Boundary 2           | dibenzofuran                               | 132-64-9          | 6.80E-11  |
| Boundary 2           | Dibromochloromethane                       | 124-48-1          | 6.49E-12  |
| Boundary 2           | Dichlorobenzene, 1,2-                      | 95-50-1           | 1.61E-13  |
| Boundary 2           | Dichlorobenzene, 1,3-                      | 541-73-1          | 2.46E-13  |
| Boundary 2           | Dichlorobenzene,1,4-                       | 106-46-7          | 4.19E-14  |
| Boundary 2           | Dichloroethane 1,1-                        | 75-34-3           | 4.60E-16  |
| Boundary 2           | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 1.85E-15  |
| Boundary 2           | Dichloroethylene 1,1-                      | 75-35-4           | 2.20E-16  |
| Boundary 2           | Dichloroethylene, cis-1,2-                 | 156-59-2          | 2.04E-14  |
| Boundary 2           | Dichloroethylene-1,2 (trans)               | 156-60-5          | 1.09E-15  |
| Boundary 2           | Dichlorophenol, 2,4-                       | 120-83-2          | 1.90E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 2           | Dichloropropane, 1,2-                         | 78-87-5           | 1.51E-15  |
| Boundary 2           | Diethyl phthalate                             | 84-66-2           | 8.86E-11  |
| Boundary 2           | Dimethyl phthalate                            | 131-11-3          | 5.11E-12  |
| Boundary 2           | Dimethylphenol, 2,4-                          | 105-67-9          | 9.91E-11  |
| Boundary 2           | Di-n-butyl phthalate                          | 84-74-2           | 5.28E-10  |
| Boundary 2           | Dinitrobenzene, 1,3-                          | 99-65-0           | 8.78E-11  |
| Boundary 2           | Dinitrophenol, 2,4-                           | 51-28-5           | 1.96E-12  |
| Boundary 2           | Dinitrotoluene, 2,4-                          | 121-14-2          | 2.52E-11  |
| Boundary 2           | Dinitrotoluene, 2,6-                          | 606-20-2          | 1.85E-11  |
| Boundary 2           | Di-n-octylphthalate                           | 117-84-0          | 2.68E-10  |
| Boundary 2           | Dioxane, 1,4-                                 | 123-91-1          | 5.73E-14  |
| Boundary 2           | diphenylamine                                 | 122-39-4          | 5.39E-10  |
| Boundary 2           | Ethyl methacrylate                            | 97-63-2           | 1.31E-11  |
| Boundary 2           | Ethylbenzene                                  | 100-41-4          | 1.35E-13  |
| Boundary 2           | Ethylene Dibromide                            | 106-93-4          | 9.31E-13  |
| Boundary 2           | ethylether                                    | 60-29-7           | 1.10E-14  |
| Boundary 2           | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 1.36E-10  |
| Boundary 2           | Fluoranthene                                  | 206-44-0          | 2.44E-09  |
| Boundary 2           | Fluorene                                      | 86-73-7           | 8.09E-11  |
| Boundary 2           | Formaldehyde                                  | 50-00-0           | 9.76E-11  |
| Boundary 2           | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 8.01E-13  |
| Boundary 2           | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 2.01E-11  |
| Boundary 2           | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 5.07E-12  |
| Boundary 2           | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 9.54E-14  |
| Boundary 2           | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 2.41E-13  |
| Boundary 2           | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 1.66E-13  |
| Boundary 2           | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 6.95E-12  |
| Boundary 2           | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 4.28E-12  |
| Boundary 2           | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 3.13E-12  |
| Boundary 2           | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 5.06E-12  |
| Boundary 2           | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 9.32E-11  |
| Boundary 2           | Hexachlorobenzene                             | 118-74-1          | 7.20E-11  |
| Boundary 2           | Hexachlorocyclopentadiene                     | 77-47-4           | 2.72E-10  |
| Boundary 2           | Hexachloroethane (Perchloroethane)            | 67-72-1           | 8.85E-12  |
| Boundary 2           | hexachloropropene                             | 1888-71-7         | 9.98E-13  |
| Boundary 2           | hexane  | 110-54-3          | 1.36E-14  |
| Boundary 2           | Hydrogen chloride                             | 7647-01-0         | 1.38E-07  |
| Boundary 2           | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 1.96E-09  |
| Boundary 2           | Isophorone                                    | 78-59-1           | 3.87E-12  |
| Boundary 2           | Lead  | 7439-92-1         | 6.28E-10  |
| Boundary 2           | manganese                                     | 7439-96-5         | 2.41E-09  |
| Boundary 2           | Mercuric chloride                             | 7487-94-7         | 2.19E-10  |
| Boundary 2           | Methacrylonitrile                             | 126-98-7          | 6.33E-12  |
| Boundary 2           | Methyl bromide (Bromomethane)                 | 74-83-9           | 2.37E-16  |
| Boundary 2           | Methyl chloride (Chloromethane)               | 74-87-3           | 7.53E-15  |
| Boundary 2           | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 2.33E-12  |
| Boundary 2           | Methyl isobutyl ketone                        | 108-10-1          | 1.48E-12  |



| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Boundary 2           | Methyl mercury                 | 22967-92-6        | 4.38E-12  |
| Boundary 2           | methyl tert-butyl ether        | 1634-04-4         | 1.72E-13  |
| Boundary 2           | methylcyclohexane              | 108-87-2          | 3.31E-14  |
| Boundary 2           | Methylene chloride             | 75-09-2           | 2.58E-13  |
| Boundary 2           | methymethacrylate              | 80-62-6           | 8.36E-14  |
| Boundary 2           | Naphthalene                    | 91-20-3           | 4.67E-09  |
| Boundary 2           | Nickel                         | 7440-02-0         | 6.40E-11  |
| Boundary 2           | Nitroaniline, 2-               | 88-74-4           | 2.39E-11  |
| Boundary 2           | Nitroaniline, 3-               | 99-09-2           | 4.11E-11  |
| Boundary 2           | Nitroaniline, 4-               | 100-01-6          | 4.65E-11  |
| Boundary 2           | Nitrobenzene                   | 98-95-3           | 3.68E-12  |
| Boundary 2           | Nitrophenol, 2-                | 88-75-5           | 1.10E-10  |
| Boundary 2           | Nitrophenol, 4-                | 100-02-7          | 8.62E-12  |
| Boundary 2           | Nitroso-di-n-butylamine, n-    | 924-16-3          | 8.71E-12  |
| Boundary 2           | Nitrosodiphenylamine, N-       | 86-30-6           | 6.82E-12  |
| Boundary 2           | Nitrosodipropylamine, n-       | 621-64-7          | 1.05E-11  |
| Boundary 2           | n-nitrosodiethylamine          | 55-18-5           | 5.39E-13  |
| Boundary 2           | n-nitrosodimethylamine         | 62-75-9           | 9.26E-14  |
| Boundary 2           | n-nitrosomethylethylamine      | 10595-95-6        | 6.03E-13  |
| Boundary 2           | n-nitrosomorpholine            | 59-89-2           | 4.88E-12  |
| Boundary 2           | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 1.02E-12  |
| Boundary 2           | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 1.47E-11  |
| Boundary 2           | o-tolualdehyde                 | 529-20-4          | 5.01E-10  |
| Boundary 2           | p-dimethylaminoazobenzene      | 60-11-7           | 1.47E-08  |
| Boundary 2           | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 1.70E-13  |
| Boundary 2           | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 1.84E-12  |
| Boundary 2           | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 3.78E-12  |
| Boundary 2           | Pentachlorobenzene             | 608-93-5          | 1.15E-10  |
| Boundary 2           | pentachloroethane              | 76-01-7           | 9.74E-13  |
| Boundary 2           | Pentachloronitrobenzene (PCNB) | 82-68-8           | 6.92E-10  |
| Boundary 2           | Pentachlorophenol              | 87-86-5           | 1.75E-09  |
| Boundary 2           | perchlorate                    | 14797-73-0        | 1.02E-11  |
| Boundary 2           | Phenanthrene                   | 85-01-8           | 1.32E-09  |
| Boundary 2           | Phenol                         | 108-95-2          | 5.64E-11  |
| Boundary 2           | phosphorous                    | 7723-14-0         | 2.83E-09  |
| Boundary 2           | propanal                       | 123-38-6          | 2.50E-12  |
| Boundary 2           | propylbenzene                  | 103-65-1          | 6.17E-13  |
| Boundary 2           | propylene                      | 115-07-1          | 5.82E-15  |
| Boundary 2           | Pyrene                         | 129-00-0          | 8.90E-09  |
| Boundary 2           | Pyridine                       | 110-86-1          | 4.03E-13  |
| Boundary 2           | Selenium                       | 7782-49-2         | 3.52E-13  |
| Boundary 2           | Silver                         | 7440-22-4         | 1.94E-09  |
| Boundary 2           | Styrene                        | 100-42-5          | 7.31E-12  |
| Boundary 2           | TetraCDD, 2,3,7,8-             | 1746-01-6         | 3.50E-14  |
| Boundary 2           | TetraCDF, 2,3,7,8-             | 51207-31-9        | 5.49E-13  |
| Boundary 2           | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 1.96E-11  |
| Boundary 2           | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 3.28E-14  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 2           | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 5.95E-15  |
| Boundary 2           | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 8.17E-11  |
| Boundary 2           | Tetrahydrofuran                         | 109-99-9          | 3.87E-14  |
| Boundary 2           | Toluene                                 | 108-88-3          | 1.75E-13  |
| Boundary 2           | Toluidine, o-                           | 95-53-4           | 3.21E-11  |
| Boundary 2           | trans-1,3-dichloropropene               | 10061-02-6        | 3.85E-14  |
| Boundary 2           | trans-2-butene                          | 624-64-6          | 1.37E-15  |
| Boundary 2           | Trichlorobenzene, 1,2,4-                | 120-82-1          | 5.48E-13  |
| Boundary 2           | Trichloroethane, 1,1,1-                 | 71-55-6           | 4.46E-16  |
| Boundary 2           | Trichloroethane, 1,1,2-                 | 79-00-5           | 1.02E-14  |
| Boundary 2           | Trichloroethylene                       | 79-01-6           | 3.91E-15  |
| Boundary 2           | Trichlorophenol, 2,4,5-                 | 95-95-4           | 5.53E-10  |
| Boundary 2           | Trichlorophenol, 2,4,6-                 | 88-06-2           | 4.82E-11  |
| Boundary 2           | Trimethylbenzene, 1,3,5-                | 108-67-8          | 2.19E-12  |
| Boundary 2           | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 7.53E-11  |
| Boundary 2           | undecane                                | 1120-21-4         | 4.43E-12  |
| Boundary 2           | Vinyl Chloride                          | 75-01-4           | 9.79E-16  |
| Boundary 2           | Xylene, m-                              | 108-38-3          | 1.74E-13  |
| Boundary 2           | Xylene, o-                              | 95-47-6           | 2.09E-13  |
| Boundary 2           | Xylene, p-                              | 106-42-3          | 1.44E-13  |
| Boundary 2           | Zinc                                    | 7440-66-6         | 5.90E-11  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Boundary 3           | 1,2,3-Trimethylbenzene     | 526-73-8          | 2.57E-14  |
| Boundary 3           | 1,2,4-Trimethylbenzene     | 95-63-6           | 1.32E-12  |
| Boundary 3           | 1,4-Diethylbenzene         | 105-05-5          | 1.36E-13  |
| Boundary 3           | 1-butene                   | 106-98-9          | 1.22E-15  |
| Boundary 3           | 1-chloronaphthalene        | 90-13-1           | 1.82E-13  |
| Boundary 3           | 1-Naphthylamine            | 134-32-7          | 1.29E-10  |
| Boundary 3           | 2,2,4-trimethylpentane     | 540-84-1          | 1.50E-16  |
| Boundary 3           | 2,2-dimethylbutane         | 75-83-2           | 2.63E-16  |
| Boundary 3           | 2,3,4-trimethylpentane     | 565-75-3          | 2.39E-15  |
| Boundary 3           | 2,3-dimethylbutane         | 79-29-8           | 4.03E-16  |
| Boundary 3           | 2,3-dimethylpentane        | 565-59-3          | 1.85E-15  |
| Boundary 3           | 2,4-dimethylpentane        | 108-08-7          | 6.14E-16  |
| Boundary 3           | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 2.89E-10  |
| Boundary 3           | 2,6-dichlorophenol         | 87-65-0           | 1.15E-11  |
| Boundary 3           | 2-ethyltoluene             | 611-14-3          | 2.92E-14  |
| Boundary 3           | 2-hexanone                 | 591-78-6          | 9.75E-14  |
| Boundary 3           | 2-methylhexane             | 591-76-4          | 7.17E-14  |
| Boundary 3           | 2-methylnaphthalene        | 91-57-6           | 4.35E-11  |
| Boundary 3           | 2-methylpentane            | 107-83-5          | 5.96E-16  |
| Boundary 3           | 2-naphthylamine            | 91-59-8           | 1.09E-08  |
| Boundary 3           | 3-ethyltoluene             | 620-14-4          | 5.63E-10  |
| Boundary 3           | 3-methylheptane            | 589-81-1          | 6.50E-16  |
| Boundary 3           | 3-methylhexane             | 589-34-4          | 4.09E-14  |
| Boundary 3           | 3-methylpentane            | 96-14-0           | 1.11E-15  |
| Boundary 3           | 4,6-dinitro-2-methylphenol | 534-52-1          | 1.30E-10  |
| Boundary 3           | 4-aminobiphenyl            | 92-67-1           | 9.80E-10  |
| Boundary 3           | 4-ethyltoluene             | 622-96-8          | 3.29E-13  |
| Boundary 3           | Acenaphthene               | 83-32-9           | 2.97E-11  |
| Boundary 3           | acenaphthylene             | 208-96-8          | 1.15E-10  |
| Boundary 3           | Acetaldehyde               | 75-07-0           | 1.47E-13  |
| Boundary 3           | Acetone                    | 67-64-1           | 1.08E-12  |
| Boundary 3           | Acetonitrile               | 75-05-8           | 5.51E-14  |
| Boundary 3           | Acetophenone               | 98-86-2           | 3.23E-12  |
| Boundary 3           | Acrylonitrile              | 107-13-1          | 6.53E-14  |
| Boundary 3           | aluminum                   | 7429-90-5         | 3.21E-07  |
| Boundary 3           | Aniline                    | 62-53-3           | 8.59E-11  |
| Boundary 3           | Anthracene                 | 120-12-7          | 3.19E-11  |
| Boundary 3           | Antimony                   | 7440-36-0         | 1.74E-12  |
| Boundary 3           | Arsenic                    | 7440-38-2         | 2.75E-15  |
| Boundary 3           | Barium                     | 7440-39-3         | 9.56E-10  |
| Boundary 3           | Benzaldehyde               | 100-52-7          | 1.97E-10  |
| Boundary 3           | Benzene                    | 71-43-2           | 7.51E-14  |
| Boundary 3           | Benzo(a)anthracene         | 56-55-3           | 4.96E-10  |
| Boundary 3           | Benzo(a)pyrene             | 50-32-8           | 6.06E-11  |
| Boundary 3           | Benzo(b)fluoranthene       | 205-99-2          | 4.10E-10  |
| Boundary 3           | benzo(g,h,i)perylene       | 191-24-2          | 7.34E-09  |
| Boundary 3           | Benzo(k)fluoranthene       | 207-08-9          | 3.59E-09  |

| <b>Receptor Name</b> | <b>COPC Name</b>                           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--|-------------------|---|
| Boundary 3           | Benzoic acid                               | 65-85-0           | 9.39E-11  |
| Boundary 3           | Benzyl alcohol                             | 100-51-6          | 2.94E-12  |
| Boundary 3           | Benzyl chloride                            | 100-44-7          | 8.33E-14  |
| Boundary 3           | Bis(2-chlorethyl)ether                     | 111-44-4          | 1.32E-12  |
| Boundary 3           | bis(2-chloroethoxy)methane                 | 111-91-1          | 7.96E-13  |
| Boundary 3           | Bromodichloromethane                       | 75-27-4           | 1.31E-13  |
| Boundary 3           | Bromoform (Tribromomethane)                | 75-25-2           | 4.35E-17  |
| Boundary 3           | Bromophenyl-phenylether, 4-                | 101-55-3          | 1.90E-09  |
| Boundary 3           | Butylbenzylphthalate                       | 85-68-7           | 6.35E-13  |
| Boundary 3           | Cadmium                                    | 7440-43-9         | 1.51E-14  |
| Boundary 3           | carbazole                                  | 86-74-8           | 4.74E-10  |
| Boundary 3           | Carbon disulfide                           | 75-15-0           | 7.35E-16  |
| Boundary 3           | Carbon tetrachloride                       | 56-23-5           | 5.77E-15  |
| Boundary 3           | Chlorine                                   | 7782-50-5         | 2.36E-08  |
| Boundary 3           | Chloro-3-methylphenol, 4-                  | 59-50-7           | 1.13E-10  |
| Boundary 3           | chloroacetonitrile                         | 107-14-2          | 5.87E-14  |
| Boundary 3           | Chloroaniline, p-                          | 106-47-8          | 1.76E-12  |
| Boundary 3           | Chlorobenzene                              | 108-90-7          | 1.05E-14  |
| Boundary 3           | Chloroethane                               | 75-00-3           | 1.52E-17  |
| Boundary 3           | Chloroform (Trichloromethane)              | 67-66-3           | 3.26E-15  |
| Boundary 3           | Chloronaphthalene,2-                       | 91-58-7           | 6.12E-11  |
| Boundary 3           | Chlorophenol, 2-                           | 95-57-8           | 3.44E-11  |
| Boundary 3           | Chromium                                   | 7440-47-3         | 1.26E-08  |
| Boundary 3           | Chromium, hexavalent                       | 18540-29-9        | 1.04E-08  |
| Boundary 3           | Chrysene                                   | 218-01-9          | 6.45E-10  |
| Boundary 3           | cis-1,3-dichloropropene                    | 10062-01-5        | 6.25E-15  |
| Boundary 3           | cis-2-butene                               | 590-18-1          | 9.43E-17  |
| Boundary 3           | cobalt                                     | 7440-48-4         | 9.62E-13  |
| Boundary 3           | copper                                     | 7440-50-8         | 2.00E-10  |
| Boundary 3           | Cresol, m-                                 | 108-39-4          | 7.95E-13  |
| Boundary 3           | Cresol, o-                                 | 95-48-7           | 8.70E-12  |
| Boundary 3           | Cresol, p-                                 | 106-44-5          | 4.56E-14  |
| Boundary 3           | crotonaldehyde                             | 4170-30-3         | 3.04E-13  |
| Boundary 3           | Cumene (Isopropylbenzene)                  | 98-82-8           | 8.27E-15  |
| Boundary 3           | cyclohexane                                | 110-82-7          | 5.52E-16  |
| Boundary 3           | Dibenz(a,h)anthracene                      | 53-70-3           | 1.74E-10  |
| Boundary 3           | dibenzofuran                               | 132-64-9          | 1.76E-11  |
| Boundary 3           | Dibromochloromethane                       | 124-48-1          | 1.67E-12  |
| Boundary 3           | Dichlorobenzene, 1,2-                      | 95-50-1           | 4.15E-14  |
| Boundary 3           | Dichlorobenzene, 1,3-                      | 541-73-1          | 6.34E-14  |
| Boundary 3           | Dichlorobenzene,1,4-                       | 106-46-7          | 1.08E-14  |
| Boundary 3           | Dichloroethane 1,1-                        | 75-34-3           | 1.19E-16  |
| Boundary 3           | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 4.77E-16  |
| Boundary 3           | Dichloroethylene 1,1-                      | 75-35-4           | 5.67E-17  |
| Boundary 3           | Dichloroethylene, cis-1,2-                 | 156-59-2          | 5.27E-15  |
| Boundary 3           | Dichloroethylene-1,2 (trans)               | 156-60-5          | 2.80E-16  |
| Boundary 3           | Dichlorophenol, 2,4-                       | 120-83-2          | 4.91E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 3           | Dichloropropane, 1,2-                         | 78-87-5           | 3.91E-16  |
| Boundary 3           | Diethyl phthalate                             | 84-66-2           | 2.29E-11  |
| Boundary 3           | Dimethyl phthalate                            | 131-11-3          | 1.32E-12  |
| Boundary 3           | Dimethylphenol, 2,4-                          | 105-67-9          | 2.56E-11  |
| Boundary 3           | Di-n-butyl phthalate                          | 84-74-2           | 1.37E-10  |
| Boundary 3           | Dinitrobenzene, 1,3-                          | 99-65-0           | 2.27E-11  |
| Boundary 3           | Dinitrophenol, 2,4-                           | 51-28-5           | 5.07E-13  |
| Boundary 3           | Dinitrotoluene, 2,4-                          | 121-14-2          | 6.50E-12  |
| Boundary 3           | Dinitrotoluene, 2,6-                          | 606-20-2          | 4.77E-12  |
| Boundary 3           | Di-n-octylphthalate                           | 117-84-0          | 7.62E-11  |
| Boundary 3           | Dioxane, 1,4-                                 | 123-91-1          | 1.48E-14  |
| Boundary 3           | diphenylamine                                 | 122-39-4          | 1.39E-10  |
| Boundary 3           | Ethyl methacrylate                            | 97-63-2           | 3.37E-12  |
| Boundary 3           | Ethylbenzene                                  | 100-41-4          | 3.48E-14  |
| Boundary 3           | Ethylene Dibromide                            | 106-93-4          | 2.40E-13  |
| Boundary 3           | ethylether                                    | 60-29-7           | 2.84E-15  |
| Boundary 3           | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 4.60E-11  |
| Boundary 3           | Fluoranthene                                  | 206-44-0          | 6.35E-10  |
| Boundary 3           | Fluorene                                      | 86-73-7           | 2.09E-11  |
| Boundary 3           | Formaldehyde                                  | 50-00-0           | 2.52E-11  |
| Boundary 3           | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 2.74E-13  |
| Boundary 3           | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 6.86E-12  |
| Boundary 3           | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 1.73E-12  |
| Boundary 3           | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 3.26E-14  |
| Boundary 3           | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 8.21E-14  |
| Boundary 3           | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 5.68E-14  |
| Boundary 3           | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 2.37E-12  |
| Boundary 3           | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.46E-12  |
| Boundary 3           | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 1.06E-12  |
| Boundary 3           | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 1.72E-12  |
| Boundary 3           | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 2.41E-11  |
| Boundary 3           | Hexachlorobenzene                             | 118-74-1          | 1.86E-11  |
| Boundary 3           | Hexachlorocyclopentadiene                     | 77-47-4           | 7.01E-11  |
| Boundary 3           | Hexachloroethane (Perchloroethane)            | 67-72-1           | 2.29E-12  |
| Boundary 3           | hexachloropropene                             | 1888-71-7         | 2.58E-13  |
| Boundary 3           | hexane  | 110-54-3          | 3.52E-15  |
| Boundary 3           | Hydrogen chloride                             | 7647-01-0         | 3.56E-08  |
| Boundary 3           | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 6.13E-10  |
| Boundary 3           | Isophorone                                    | 78-59-1           | 9.99E-13  |
| Boundary 3           | Lead  | 7439-92-1         | 1.96E-10  |
| Boundary 3           | manganese                                     | 7439-96-5         | 7.53E-10  |
| Boundary 3           | Mercuric chloride                             | 7487-94-7         | 7.48E-11  |
| Boundary 3           | Methacrylonitrile                             | 126-98-7          | 1.63E-12  |
| Boundary 3           | Methyl bromide (Bromomethane)                 | 74-83-9           | 6.11E-17  |
| Boundary 3           | Methyl chloride (Chloromethane)               | 74-87-3           | 1.94E-15  |
| Boundary 3           | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 6.00E-13  |
| Boundary 3           | Methyl isobutyl ketone                        | 108-10-1          | 3.81E-13  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Boundary 3           | Methyl mercury                 | 22967-92-6        | 1.50E-12  |
| Boundary 3           | methyl tert-butyl ether        | 1634-04-4         | 4.43E-14  |
| Boundary 3           | methylcyclohexane              | 108-87-2          | 8.53E-15  |
| Boundary 3           | Methylene chloride             | 75-09-2           | 6.66E-14  |
| Boundary 3           | methymethacrylate              | 80-62-6           | 2.16E-14  |
| Boundary 3           | Naphthalene                    | 91-20-3           | 1.21E-09  |
| Boundary 3           | Nickel                         | 7440-02-0         | 2.00E-11  |
| Boundary 3           | Nitroaniline, 2-               | 88-74-4           | 6.18E-12  |
| Boundary 3           | Nitroaniline, 3-               | 99-09-2           | 1.06E-11  |
| Boundary 3           | Nitroaniline, 4-               | 100-01-6          | 1.20E-11  |
| Boundary 3           | Nitrobenzene                   | 98-95-3           | 9.51E-13  |
| Boundary 3           | Nitrophenol, 2-                | 88-75-5           | 2.83E-11  |
| Boundary 3           | Nitrophenol, 4-                | 100-02-7          | 2.23E-12  |
| Boundary 3           | Nitroso-di-n-butylamine, n-    | 924-16-3          | 2.25E-12  |
| Boundary 3           | Nitrosodiphenylamine, N-       | 86-30-6           | 1.76E-12  |
| Boundary 3           | Nitrosodipropylamine, n-       | 621-64-7          | 2.70E-12  |
| Boundary 3           | n-nitrosodiethylamine          | 55-18-5           | 1.39E-13  |
| Boundary 3           | n-nitrosodimethylamine         | 62-75-9           | 2.39E-14  |
| Boundary 3           | n-nitrosomethylethylamine      | 10595-95-6        | 1.56E-13  |
| Boundary 3           | n-nitrosomorpholine            | 59-89-2           | 1.26E-12  |
| Boundary 3           | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 3.50E-13  |
| Boundary 3           | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 5.02E-12  |
| Boundary 3           | o-tolualdehyde                 | 529-20-4          | 1.29E-10  |
| Boundary 3           | p-dimethylaminoazobenzene      | 60-11-7           | 5.01E-09  |
| Boundary 3           | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 5.76E-14  |
| Boundary 3           | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 6.10E-13  |
| Boundary 3           | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.26E-12  |
| Boundary 3           | Pentachlorobenzene             | 608-93-5          | 2.96E-11  |
| Boundary 3           | pentachloroethane              | 76-01-7           | 2.51E-13  |
| Boundary 3           | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.79E-10  |
| Boundary 3           | Pentachlorophenol              | 87-86-5           | 4.51E-10  |
| Boundary 3           | perchlorate                    | 14797-73-0        | 3.48E-12  |
| Boundary 3           | Phenanthrene                   | 85-01-8           | 3.40E-10  |
| Boundary 3           | Phenol                         | 108-95-2          | 1.45E-11  |
| Boundary 3           | phosphorous                    | 7723-14-0         | 8.82E-10  |
| Boundary 3           | propanal                       | 123-38-6          | 6.44E-13  |
| Boundary 3           | propylbenzene                  | 103-65-1          | 1.59E-13  |
| Boundary 3           | propylene                      | 115-07-1          | 1.50E-15  |
| Boundary 3           | Pyrene                         | 129-00-0          | 2.31E-09  |
| Boundary 3           | Pyridine                       | 110-86-1          | 1.04E-13  |
| Boundary 3           | Selenium                       | 7782-49-2         | 1.10E-13  |
| Boundary 3           | Silver                         | 7440-22-4         | 6.04E-10  |
| Boundary 3           | Styrene                        | 100-42-5          | 1.89E-12  |
| Boundary 3           | TetraCDD, 2,3,7,8-             | 1746-01-6         | 1.07E-14  |
| Boundary 3           | TetraCDF, 2,3,7,8-             | 51207-31-9        | 1.62E-13  |
| Boundary 3           | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 5.06E-12  |
| Boundary 3           | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 8.45E-15  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 3           | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 1.54E-15  |
| Boundary 3           | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 2.11E-11  |
| Boundary 3           | Tetrahydrofuran                         | 109-99-9          | 1.00E-14  |
| Boundary 3           | Toluene                                 | 108-88-3          | 4.51E-14  |
| Boundary 3           | Toluidine, o-                           | 95-53-4           | 8.29E-12  |
| Boundary 3           | trans-1,3-dichloropropene               | 10061-02-6        | 9.95E-15  |
| Boundary 3           | trans-2-butene                          | 624-64-6          | 3.54E-16  |
| Boundary 3           | Trichlorobenzene, 1,2,4-                | 120-82-1          | 1.41E-13  |
| Boundary 3           | Trichloroethane, 1,1,1-                 | 71-55-6           | 1.15E-16  |
| Boundary 3           | Trichloroethane, 1,1,2-                 | 79-00-5           | 2.64E-15  |
| Boundary 3           | Trichloroethylene                       | 79-01-6           | 1.01E-15  |
| Boundary 3           | Trichlorophenol, 2,4,5-                 | 95-95-4           | 1.43E-10  |
| Boundary 3           | Trichlorophenol, 2,4,6-                 | 88-06-2           | 1.24E-11  |
| Boundary 3           | Trimethylbenzene, 1,3,5-                | 108-67-8          | 5.66E-13  |
| Boundary 3           | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.96E-11  |
| Boundary 3           | undecane                                | 1120-21-4         | 1.14E-12  |
| Boundary 3           | Vinyl Chloride                          | 75-01-4           | 2.53E-16  |
| Boundary 3           | Xylene, m-                              | 108-38-3          | 4.48E-14  |
| Boundary 3           | Xylene, o-                              | 95-47-6           | 5.39E-14  |
| Boundary 3           | Xylene, p-                              | 106-42-3          | 3.72E-14  |
| Boundary 3           | Zinc                                    | 7440-66-6         | 1.84E-11  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Boundary 4           | 1,2,3-Trimethylbenzene     | 526-73-8          | 2.78E-14  |
| Boundary 4           | 1,2,4-Trimethylbenzene     | 95-63-6           | 1.43E-12  |
| Boundary 4           | 1,4-Diethylbenzene         | 105-05-5          | 1.47E-13  |
| Boundary 4           | 1-butene                   | 106-98-9          | 1.32E-15  |
| Boundary 4           | 1-chloronaphthalene        | 90-13-1           | 1.97E-13  |
| Boundary 4           | 1-Naphthylamine            | 134-32-7          | 1.39E-10  |
| Boundary 4           | 2,2,4-trimethylpentane     | 540-84-1          | 1.62E-16  |
| Boundary 4           | 2,2-dimethylbutane         | 75-83-2           | 2.84E-16  |
| Boundary 4           | 2,3,4-trimethylpentane     | 565-75-3          | 2.58E-15  |
| Boundary 4           | 2,3-dimethylbutane         | 79-29-8           | 4.36E-16  |
| Boundary 4           | 2,3-dimethylpentane        | 565-59-3          | 1.99E-15  |
| Boundary 4           | 2,4-dimethylpentane        | 108-08-7          | 6.64E-16  |
| Boundary 4           | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 3.13E-10  |
| Boundary 4           | 2,6-dichlorophenol         | 87-65-0           | 1.25E-11  |
| Boundary 4           | 2-ethyltoluene             | 611-14-3          | 3.15E-14  |
| Boundary 4           | 2-hexanone                 | 591-78-6          | 1.05E-13  |
| Boundary 4           | 2-methylhexane             | 591-76-4          | 7.75E-14  |
| Boundary 4           | 2-methylnaphthalene        | 91-57-6           | 4.70E-11  |
| Boundary 4           | 2-methylpentane            | 107-83-5          | 6.44E-16  |
| Boundary 4           | 2-naphthylamine            | 91-59-8           | 1.07E-08  |
| Boundary 4           | 3-ethyltoluene             | 620-14-4          | 6.08E-10  |
| Boundary 4           | 3-methylheptane            | 589-81-1          | 7.03E-16  |
| Boundary 4           | 3-methylhexane             | 589-34-4          | 4.42E-14  |
| Boundary 4           | 3-methylpentane            | 96-14-0           | 1.20E-15  |
| Boundary 4           | 4,6-dinitro-2-methylphenol | 534-52-1          | 1.40E-10  |
| Boundary 4           | 4-aminobiphenyl            | 92-67-1           | 1.04E-09  |
| Boundary 4           | 4-ethyltoluene             | 622-96-8          | 3.55E-13  |
| Boundary 4           | Acenaphthene               | 83-32-9           | 3.21E-11  |
| Boundary 4           | acenaphthylene             | 208-96-8          | 1.24E-10  |
| Boundary 4           | Acetaldehyde               | 75-07-0           | 1.58E-13  |
| Boundary 4           | Acetone                    | 67-64-1           | 1.17E-12  |
| Boundary 4           | Acetonitrile               | 75-05-8           | 5.95E-14  |
| Boundary 4           | Acetophenone               | 98-86-2           | 3.49E-12  |
| Boundary 4           | Acrylonitrile              | 107-13-1          | 7.06E-14  |
| Boundary 4           | aluminum                   | 7429-90-5         | 2.89E-07  |
| Boundary 4           | Aniline                    | 62-53-3           | 9.29E-11  |
| Boundary 4           | Anthracene                 | 120-12-7          | 3.45E-11  |
| Boundary 4           | Antimony                   | 7440-36-0         | 1.88E-12  |
| Boundary 4           | Arsenic                    | 7440-38-2         | 2.48E-15  |
| Boundary 4           | Barium                     | 7440-39-3         | 8.61E-10  |
| Boundary 4           | Benzaldehyde               | 100-52-7          | 2.13E-10  |
| Boundary 4           | Benzene                    | 71-43-2           | 8.12E-14  |
| Boundary 4           | Benzo(a)anthracene         | 56-55-3           | 4.57E-10  |
| Boundary 4           | Benzo(a)pyrene             | 50-32-8           | 5.46E-11  |
| Boundary 4           | Benzo(b)fluoranthene       | 205-99-2          | 4.34E-10  |
| Boundary 4           | benzo(g,h,i)perylene       | 191-24-2          | 6.61E-09  |
| Boundary 4           | Benzo(k)fluoranthene       | 207-08-9          | 3.23E-09  |



| <b>Receptor Name</b> | <b>COPC Name</b>                           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--|-------------------|---|
| Boundary 4           | Benzoic acid                               | 65-85-0           | 1.02E-10  |
| Boundary 4           | Benzyl alcohol                             | 100-51-6          | 3.18E-12  |
| Boundary 4           | Benzyl chloride                            | 100-44-7          | 9.00E-14  |
| Boundary 4           | Bis(2-chlorethyl)ether                     | 111-44-4          | 1.42E-12  |
| Boundary 4           | bis(2-chloroethoxy)methane                 | 111-91-1          | 8.60E-13  |
| Boundary 4           | Bromodichloromethane                       | 75-27-4           | 1.42E-13  |
| Boundary 4           | Bromoform (Tribromomethane)                | 75-25-2           | 4.70E-17  |
| Boundary 4           | Bromophenyl-phenylether, 4-                | 101-55-3          | 2.06E-09  |
| Boundary 4           | Butylbenzylphthalate                       | 85-68-7           | 6.65E-13  |
| Boundary 4           | Cadmium                                    | 7440-43-9         | 1.36E-14  |
| Boundary 4           | carbazole                                  | 86-74-8           | 5.12E-10  |
| Boundary 4           | Carbon disulfide                           | 75-15-0           | 7.94E-16  |
| Boundary 4           | Carbon tetrachloride                       | 56-23-5           | 6.23E-15  |
| Boundary 4           | Chlorine                                   | 7782-50-5         | 2.55E-08  |
| Boundary 4           | Chloro-3-methylphenol, 4-                  | 59-50-7           | 1.23E-10  |
| Boundary 4           | chloroacetonitrile                         | 107-14-2          | 6.34E-14  |
| Boundary 4           | Chloroaniline, p-                          | 106-47-8          | 1.90E-12  |
| Boundary 4           | Chlorobenzene                              | 108-90-7          | 1.13E-14  |
| Boundary 4           | Chloroethane                               | 75-00-3           | 1.64E-17  |
| Boundary 4           | Chloroform (Trichloromethane)              | 67-66-3           | 3.52E-15  |
| Boundary 4           | Chloronaphthalene,2-                       | 91-58-7           | 6.61E-11  |
| Boundary 4           | Chlorophenol, 2-                           | 95-57-8           | 3.72E-11  |
| Boundary 4           | Chromium                                   | 7440-47-3         | 1.13E-08  |
| Boundary 4           | Chromium, hexavalent                       | 18540-29-9        | 9.32E-09  |
| Boundary 4           | Chrysene                                   | 218-01-9          | 6.26E-10  |
| Boundary 4           | cis-1,3-dichloropropene                    | 10062-01-5        | 6.76E-15  |
| Boundary 4           | cis-2-butene                               | 590-18-1          | 1.02E-16  |
| Boundary 4           | cobalt                                     | 7440-48-4         | 8.66E-13  |
| Boundary 4           | copper                                     | 7440-50-8         | 1.80E-10  |
| Boundary 4           | Cresol, m-                                 | 108-39-4          | 8.59E-13  |
| Boundary 4           | Cresol, o-                                 | 95-48-7           | 9.40E-12  |
| Boundary 4           | Cresol, p-                                 | 106-44-5          | 4.93E-14  |
| Boundary 4           | crotonaldehyde                             | 4170-30-3         | 3.28E-13  |
| Boundary 4           | Cumene (Isopropylbenzene)                  | 98-82-8           | 8.93E-15  |
| Boundary 4           | cyclohexane                                | 110-82-7          | 5.96E-16  |
| Boundary 4           | Dibenz(a,h)anthracene                      | 53-70-3           | 1.54E-10  |
| Boundary 4           | dibenzofuran                               | 132-64-9          | 1.90E-11  |
| Boundary 4           | Dibromochloromethane                       | 124-48-1          | 1.81E-12  |
| Boundary 4           | Dichlorobenzene, 1,2-                      | 95-50-1           | 4.48E-14  |
| Boundary 4           | Dichlorobenzene, 1,3-                      | 541-73-1          | 6.86E-14  |
| Boundary 4           | Dichlorobenzene,1,4-                       | 106-46-7          | 1.17E-14  |
| Boundary 4           | Dichloroethane 1,1-                        | 75-34-3           | 1.28E-16  |
| Boundary 4           | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 5.15E-16  |
| Boundary 4           | Dichloroethylene 1,1-                      | 75-35-4           | 6.13E-17  |
| Boundary 4           | Dichloroethylene, cis-1,2-                 | 156-59-2          | 5.69E-15  |
| Boundary 4           | Dichloroethylene-1,2 (trans)               | 156-60-5          | 3.03E-16  |
| Boundary 4           | Dichlorophenol, 2,4-                       | 120-83-2          | 5.31E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 4           | Dichloropropane, 1,2-                         | 78-87-5           | 4.22E-16  |
| Boundary 4           | Diethyl phthalate                             | 84-66-2           | 2.47E-11  |
| Boundary 4           | Dimethyl phthalate                            | 131-11-3          | 1.43E-12  |
| Boundary 4           | Dimethylphenol, 2,4-                          | 105-67-9          | 2.77E-11  |
| Boundary 4           | Di-n-butyl phthalate                          | 84-74-2           | 1.48E-10  |
| Boundary 4           | Dinitrobenzene, 1,3-                          | 99-65-0           | 2.45E-11  |
| Boundary 4           | Dinitrophenol, 2,4-                           | 51-28-5           | 5.48E-13  |
| Boundary 4           | Dinitrotoluene, 2,4-                          | 121-14-2          | 7.02E-12  |
| Boundary 4           | Dinitrotoluene, 2,6-                          | 606-20-2          | 5.16E-12  |
| Boundary 4           | Di-n-octylphthalate                           | 117-84-0          | 7.65E-11  |
| Boundary 4           | Dioxane, 1,4-                                 | 123-91-1          | 1.60E-14  |
| Boundary 4           | diphenylamine                                 | 122-39-4          | 1.50E-10  |
| Boundary 4           | Ethyl methacrylate                            | 97-63-2           | 3.64E-12  |
| Boundary 4           | Ethylbenzene                                  | 100-41-4          | 3.76E-14  |
| Boundary 4           | Ethylene Dibromide                            | 106-93-4          | 2.60E-13  |
| Boundary 4           | ethylether                                    | 60-29-7           | 3.07E-15  |
| Boundary 4           | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 4.09E-11  |
| Boundary 4           | Fluoranthene                                  | 206-44-0          | 6.83E-10  |
| Boundary 4           | Fluorene                                      | 86-73-7           | 2.26E-11  |
| Boundary 4           | Formaldehyde                                  | 50-00-0           | 2.72E-11  |
| Boundary 4           | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 2.41E-13  |
| Boundary 4           | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 6.04E-12  |
| Boundary 4           | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 1.52E-12  |
| Boundary 4           | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 2.87E-14  |
| Boundary 4           | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 7.24E-14  |
| Boundary 4           | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 5.00E-14  |
| Boundary 4           | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 2.09E-12  |
| Boundary 4           | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.29E-12  |
| Boundary 4           | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 9.38E-13  |
| Boundary 4           | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 1.52E-12  |
| Boundary 4           | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 2.60E-11  |
| Boundary 4           | Hexachlorobenzene                             | 118-74-1          | 2.01E-11  |
| Boundary 4           | Hexachlorocyclopentadiene                     | 77-47-4           | 7.58E-11  |
| Boundary 4           | Hexachloroethane (Perchloroethane)            | 67-72-1           | 2.47E-12  |
| Boundary 4           | hexachloropropene                             | 1888-71-7         | 2.78E-13  |
| Boundary 4           | hexane  | 110-54-3          | 3.81E-15  |
| Boundary 4           | Hydrogen chloride                             | 7647-01-0         | 3.85E-08  |
| Boundary 4           | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 5.52E-10  |
| Boundary 4           | Isophorone                                    | 78-59-1           | 1.08E-12  |
| Boundary 4           | Lead  | 7439-92-1         | 1.76E-10  |
| Boundary 4           | manganese                                     | 7439-96-5         | 6.78E-10  |
| Boundary 4           | Mercuric chloride                             | 7487-94-7         | 6.58E-11  |
| Boundary 4           | Methacrylonitrile                             | 126-98-7          | 1.77E-12  |
| Boundary 4           | Methyl bromide (Bromomethane)                 | 74-83-9           | 6.60E-17  |
| Boundary 4           | Methyl chloride (Chloromethane)               | 74-87-3           | 2.10E-15  |
| Boundary 4           | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 6.49E-13  |
| Boundary 4           | Methyl isobutyl ketone                        | 108-10-1          | 4.12E-13  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Boundary 4           | Methyl mercury                 | 22967-92-6        | 1.32E-12  |
| Boundary 4           | methyl tert-butyl ether        | 1634-04-4         | 4.79E-14  |
| Boundary 4           | methylcyclohexane              | 108-87-2          | 9.22E-15  |
| Boundary 4           | Methylene chloride             | 75-09-2           | 7.20E-14  |
| Boundary 4           | methymethacrylate              | 80-62-6           | 2.33E-14  |
| Boundary 4           | Naphthalene                    | 91-20-3           | 1.30E-09  |
| Boundary 4           | Nickel                         | 7440-02-0         | 1.80E-11  |
| Boundary 4           | Nitroaniline, 2-               | 88-74-4           | 6.68E-12  |
| Boundary 4           | Nitroaniline, 3-               | 99-09-2           | 1.15E-11  |
| Boundary 4           | Nitroaniline, 4-               | 100-01-6          | 1.30E-11  |
| Boundary 4           | Nitrobenzene                   | 98-95-3           | 1.03E-12  |
| Boundary 4           | Nitrophenol, 2-                | 88-75-5           | 3.06E-11  |
| Boundary 4           | Nitrophenol, 4-                | 100-02-7          | 2.41E-12  |
| Boundary 4           | Nitroso-di-n-butylamine, n-    | 924-16-3          | 2.43E-12  |
| Boundary 4           | Nitrosodiphenylamine, N-       | 86-30-6           | 1.90E-12  |
| Boundary 4           | Nitrosodipropylamine, n-       | 621-64-7          | 2.92E-12  |
| Boundary 4           | n-nitrosodiethylamine          | 55-18-5           | 1.50E-13  |
| Boundary 4           | n-nitrosodimethylamine         | 62-75-9           | 2.58E-14  |
| Boundary 4           | n-nitrosomethylethylamine      | 10595-95-6        | 1.68E-13  |
| Boundary 4           | n-nitrosomorpholine            | 59-89-2           | 1.36E-12  |
| Boundary 4           | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 3.08E-13  |
| Boundary 4           | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 4.42E-12  |
| Boundary 4           | o-tolualdehyde                 | 529-20-4          | 1.40E-10  |
| Boundary 4           | p-dimethylaminoazobenzene      | 60-11-7           | 4.42E-09  |
| Boundary 4           | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 5.11E-14  |
| Boundary 4           | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 5.48E-13  |
| Boundary 4           | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.13E-12  |
| Boundary 4           | Pentachlorobenzene             | 608-93-5          | 3.20E-11  |
| Boundary 4           | pentachloroethane              | 76-01-7           | 2.72E-13  |
| Boundary 4           | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.93E-10  |
| Boundary 4           | Pentachlorophenol              | 87-86-5           | 4.87E-10  |
| Boundary 4           | perchlorate                    | 14797-73-0        | 3.06E-12  |
| Boundary 4           | Phenanthrene                   | 85-01-8           | 3.67E-10  |
| Boundary 4           | Phenol                         | 108-95-2          | 1.57E-11  |
| Boundary 4           | phosphorous                    | 7723-14-0         | 7.93E-10  |
| Boundary 4           | propanal                       | 123-38-6          | 6.96E-13  |
| Boundary 4           | propylbenzene                  | 103-65-1          | 1.72E-13  |
| Boundary 4           | propylene                      | 115-07-1          | 1.62E-15  |
| Boundary 4           | Pyrene                         | 129-00-0          | 2.49E-09  |
| Boundary 4           | Pyridine                       | 110-86-1          | 1.13E-13  |
| Boundary 4           | Selenium                       | 7782-49-2         | 9.90E-14  |
| Boundary 4           | Silver                         | 7440-22-4         | 5.44E-10  |
| Boundary 4           | Styrene                        | 100-42-5          | 2.04E-12  |
| Boundary 4           | TetraCDD, 2,3,7,8-             | 1746-01-6         | 1.02E-14  |
| Boundary 4           | TetraCDF, 2,3,7,8-             | 51207-31-9        | 1.59E-13  |
| Boundary 4           | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 5.46E-12  |
| Boundary 4           | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 9.14E-15  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Boundary 4           | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 1.66E-15  |
| Boundary 4           | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 2.28E-11  |
| Boundary 4           | Tetrahydrofuran                         | 109-99-9          | 1.08E-14  |
| Boundary 4           | Toluene                                 | 108-88-3          | 4.88E-14  |
| Boundary 4           | Toluidine, o-                           | 95-53-4           | 8.96E-12  |
| Boundary 4           | trans-1,3-dichloropropene               | 10061-02-6        | 1.08E-14  |
| Boundary 4           | trans-2-butene                          | 624-64-6          | 3.82E-16  |
| Boundary 4           | Trichlorobenzene, 1,2,4-                | 120-82-1          | 1.53E-13  |
| Boundary 4           | Trichloroethane, 1,1,1-                 | 71-55-6           | 1.24E-16  |
| Boundary 4           | Trichloroethane, 1,1,2-                 | 79-00-5           | 2.85E-15  |
| Boundary 4           | Trichloroethylene                       | 79-01-6           | 1.09E-15  |
| Boundary 4           | Trichlorophenol, 2,4,5-                 | 95-95-4           | 1.54E-10  |
| Boundary 4           | Trichlorophenol, 2,4,6-                 | 88-06-2           | 1.34E-11  |
| Boundary 4           | Trimethylbenzene, 1,3,5-                | 108-67-8          | 6.12E-13  |
| Boundary 4           | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 2.11E-11  |
| Boundary 4           | undecane                                | 1120-21-4         | 1.24E-12  |
| Boundary 4           | Vinyl Chloride                          | 75-01-4           | 2.73E-16  |
| Boundary 4           | Xylene, m-                              | 108-38-3          | 4.84E-14  |
| Boundary 4           | Xylene, o-                              | 95-47-6           | 5.82E-14  |
| Boundary 4           | Xylene, p-                              | 106-42-3          | 4.02E-14  |
| Boundary 4           | Zinc                                    | 7440-66-6         | 1.66E-11  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Christensen Ranch    | 1,2,3-Trimethylbenzene     | 526-73-8          | 4.00E-14  |
| Christensen Ranch    | 1,2,4-Trimethylbenzene     | 95-63-6           | 2.05E-12  |
| Christensen Ranch    | 1,4-Diethylbenzene         | 105-05-5          | 2.11E-13  |
| Christensen Ranch    | 1-butene                   | 106-98-9          | 1.90E-15  |
| Christensen Ranch    | 1-chloronaphthalene        | 90-13-1           | 2.84E-13  |
| Christensen Ranch    | 1-Naphthylamine            | 134-32-7          | 2.00E-10  |
| Christensen Ranch    | 2,2,4-trimethylpentane     | 540-84-1          | 2.33E-16  |
| Christensen Ranch    | 2,2-dimethylbutane         | 75-83-2           | 4.08E-16  |
| Christensen Ranch    | 2,3,4-trimethylpentane     | 565-75-3          | 3.72E-15  |
| Christensen Ranch    | 2,3-dimethylbutane         | 79-29-8           | 6.27E-16  |
| Christensen Ranch    | 2,3-dimethylpentane        | 565-59-3          | 2.87E-15  |
| Christensen Ranch    | 2,4-dimethylpentane        | 108-08-7          | 9.55E-16  |
| Christensen Ranch    | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 4.50E-10  |
| Christensen Ranch    | 2,6-dichlorophenol         | 87-65-0           | 1.80E-11  |
| Christensen Ranch    | 2-ethyltoluene             | 611-14-3          | 4.54E-14  |
| Christensen Ranch    | 2-hexanone                 | 591-78-6          | 1.52E-13  |
| Christensen Ranch    | 2-methylhexane             | 591-76-4          | 1.12E-13  |
| Christensen Ranch    | 2-methylnaphthalene        | 91-57-6           | 6.77E-11  |
| Christensen Ranch    | 2-methylpentane            | 107-83-5          | 9.27E-16  |
| Christensen Ranch    | 2-naphthylamine            | 91-59-8           | 1.47E-08  |
| Christensen Ranch    | 3-ethyltoluene             | 620-14-4          | 8.76E-10  |
| Christensen Ranch    | 3-methylheptane            | 589-81-1          | 1.01E-15  |
| Christensen Ranch    | 3-methylhexane             | 589-34-4          | 6.36E-14  |
| Christensen Ranch    | 3-methylpentane            | 96-14-0           | 1.73E-15  |
| Christensen Ranch    | 4,6-dinitro-2-methylphenol | 534-52-1          | 2.01E-10  |
| Christensen Ranch    | 4-aminobiphenyl            | 92-67-1           | 1.48E-09  |
| Christensen Ranch    | 4-ethyltoluene             | 622-96-8          | 5.12E-13  |
| Christensen Ranch    | Acenaphthene               | 83-32-9           | 4.61E-11  |
| Christensen Ranch    | acenaphthylene             | 208-96-8          | 1.78E-10  |
| Christensen Ranch    | Acetaldehyde               | 75-07-0           | 2.28E-13  |
| Christensen Ranch    | Acetone                    | 67-64-1           | 1.68E-12  |
| Christensen Ranch    | Acetonitrile               | 75-05-8           | 8.57E-14  |
| Christensen Ranch    | Acetophenone               | 98-86-2           | 5.03E-12  |
| Christensen Ranch    | Acrylonitrile              | 107-13-1          | 1.02E-13  |
| Christensen Ranch    | aluminum                   | 7429-90-5         | 3.86E-07  |
| Christensen Ranch    | Aniline                    | 62-53-3           | 1.34E-10  |
| Christensen Ranch    | Anthracene                 | 120-12-7          | 4.96E-11  |
| Christensen Ranch    | Antimony                   | 7440-36-0         | 2.70E-12  |
| Christensen Ranch    | Arsenic                    | 7440-38-2         | 3.32E-15  |
| Christensen Ranch    | Barium                     | 7440-39-3         | 1.15E-09  |
| Christensen Ranch    | Benzaldehyde               | 100-52-7          | 3.06E-10  |
| Christensen Ranch    | Benzene                    | 71-43-2           | 1.17E-13  |
| Christensen Ranch    | Benzo(a)anthracene         | 56-55-3           | 6.16E-10  |
| Christensen Ranch    | Benzo(a)pyrene             | 50-32-8           | 7.29E-11  |
| Christensen Ranch    | Benzo(b)fluoranthene       | 205-99-2          | 6.20E-10  |
| Christensen Ranch    | benzo(g,h,i)perylene       | 191-24-2          | 8.85E-09  |
| Christensen Ranch    | Benzo(k)fluoranthene       | 207-08-9          | 4.31E-09  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Christensen Ranch    | Benzoic acid                               | 65-85-0           | 1.46E-10  |
| Christensen Ranch    | Benzyl alcohol                             | 100-51-6          | 4.58E-12  |
| Christensen Ranch    | Benzyl chloride                            | 100-44-7          | 1.30E-13  |
| Christensen Ranch    | Bis(2-chlorethyl)ether                     | 111-44-4          | 2.05E-12  |
| Christensen Ranch    | bis(2-chloroethoxy)methane                 | 111-91-1          | 1.24E-12  |
| Christensen Ranch    | Bromodichloromethane                       | 75-27-4           | 2.05E-13  |
| Christensen Ranch    | Bromoform (Tribromomethane)                | 75-25-2           | 6.76E-17  |
| Christensen Ranch    | Bromophenyl-phenylether, 4-                | 101-55-3          | 2.96E-09  |
| Christensen Ranch    | Butylbenzylphthalate                       | 85-68-7           | 9.47E-13  |
| Christensen Ranch    | Cadmium                                    | 7440-43-9         | 1.82E-14  |
| Christensen Ranch    | carbazole                                  | 86-74-8           | 7.37E-10  |
| Christensen Ranch    | Carbon disulfide                           | 75-15-0           | 1.14E-15  |
| Christensen Ranch    | Carbon tetrachloride                       | 56-23-5           | 8.97E-15  |
| Christensen Ranch    | Chlorine                                   | 7782-50-5         | 3.67E-08  |
| Christensen Ranch    | Chloro-3-methylphenol, 4-                  | 59-50-7           | 1.77E-10  |
| Christensen Ranch    | chloroacetonitrile                         | 107-14-2          | 9.13E-14  |
| Christensen Ranch    | Chloroaniline, p-                          | 106-47-8          | 2.74E-12  |
| Christensen Ranch    | Chlorobenzene                              | 108-90-7          | 1.63E-14  |
| Christensen Ranch    | Chloroethane                               | 75-00-3           | 2.36E-17  |
| Christensen Ranch    | Chloroform (Trichloromethane)              | 67-66-3           | 5.07E-15  |
| Christensen Ranch    | Chloronaphthalene,2-                       | 91-58-7           | 9.52E-11  |
| Christensen Ranch    | Chlorophenol, 2-                           | 95-57-8           | 5.35E-11  |
| Christensen Ranch    | Chromium                                   | 7440-47-3         | 1.52E-08  |
| Christensen Ranch    | Chromium, hexavalent                       | 18540-29-9        | 1.25E-08  |
| Christensen Ranch    | Chrysene                                   | 218-01-9          | 8.63E-10  |
| Christensen Ranch    | cis-1,3-dichloropropene                    | 10062-01-5        | 9.73E-15  |
| Christensen Ranch    | cis-2-butene                               | 590-18-1          | 1.47E-16  |
| Christensen Ranch    | cobalt                                     | 7440-48-4         | 1.16E-12  |
| Christensen Ranch    | copper                                     | 7440-50-8         | 2.42E-10  |
| Christensen Ranch    | Cresol, m-                                 | 108-39-4          | 1.24E-12  |
| Christensen Ranch    | Cresol, o-                                 | 95-48-7           | 1.35E-11  |
| Christensen Ranch    | Cresol, p-                                 | 106-44-5          | 7.10E-14  |
| Christensen Ranch    | crotonaldehyde                             | 4170-30-3         | 4.72E-13  |
| Christensen Ranch    | Cumene (Isopropylbenzene)                  | 98-82-8           | 1.29E-14  |
| Christensen Ranch    | cyclohexane                                | 110-82-7          | 8.58E-16  |
| Christensen Ranch    | Dibenz(a,h)anthracene                      | 53-70-3           | 2.03E-10  |
| Christensen Ranch    | dibenzofuran                               | 132-64-9          | 2.73E-11  |
| Christensen Ranch    | Dibromochloromethane                       | 124-48-1          | 2.61E-12  |
| Christensen Ranch    | Dichlorobenzene, 1,2-                      | 95-50-1           | 6.45E-14  |
| Christensen Ranch    | Dichlorobenzene, 1,3-                      | 541-73-1          | 9.87E-14  |
| Christensen Ranch    | Dichlorobenzene,1,4-                       | 106-46-7          | 1.68E-14  |
| Christensen Ranch    | Dichloroethane 1,1-                        | 75-34-3           | 1.85E-16  |
| Christensen Ranch    | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 7.41E-16  |
| Christensen Ranch    | Dichloroethylene 1,1-                      | 75-35-4           | 8.82E-17  |
| Christensen Ranch    | Dichloroethylene, cis-1,2-                 | 156-59-2          | 8.19E-15  |
| Christensen Ranch    | Dichloroethylene-1,2 (trans)               | 156-60-5          | 4.36E-16  |
| Christensen Ranch    | Dichlorophenol, 2,4-                       | 120-83-2          | 7.65E-12  |

| <i>Receptor Name</i> | <i>COPC Name</i>                              | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Christensen Ranch    | Dichloropropane, 1,2-                         | 78-87-5           | 6.08E-16  |
| Christensen Ranch    | Diethyl phthalate                             | 84-66-2           | 3.56E-11  |
| Christensen Ranch    | Dimethyl phthalate                            | 131-11-3          | 2.05E-12  |
| Christensen Ranch    | Dimethylphenol, 2,4-                          | 105-67-9          | 3.98E-11  |
| Christensen Ranch    | Di-n-butyl phthalate                          | 84-74-2           | 2.12E-10  |
| Christensen Ranch    | Dinitrobenzene, 1,3-                          | 99-65-0           | 3.53E-11  |
| Christensen Ranch    | Dinitrophenol, 2,4-                           | 51-28-5           | 7.89E-13  |
| Christensen Ranch    | Dinitrotoluene, 2,4-                          | 121-14-2          | 1.01E-11  |
| Christensen Ranch    | Dinitrotoluene, 2,6-                          | 606-20-2          | 7.43E-12  |
| Christensen Ranch    | Di-n-octylphthalate                           | 117-84-0          | 1.07E-10  |
| Christensen Ranch    | Dioxane, 1,4-                                 | 123-91-1          | 2.30E-14  |
| Christensen Ranch    | diphenylamine                                 | 122-39-4          | 2.16E-10  |
| Christensen Ranch    | Ethyl methacrylate                            | 97-63-2           | 5.24E-12  |
| Christensen Ranch    | Ethylbenzene                                  | 100-41-4          | 5.42E-14  |
| Christensen Ranch    | Ethylene Dibromide                            | 106-93-4          | 3.74E-13  |
| Christensen Ranch    | ethylether                                    | 60-29-7           | 4.42E-15  |
| Christensen Ranch    | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 5.42E-11  |
| Christensen Ranch    | Fluoranthene                                  | 206-44-0          | 9.81E-10  |
| Christensen Ranch    | Fluorene                                      | 86-73-7           | 3.25E-11  |
| Christensen Ranch    | Formaldehyde                                  | 50-00-0           | 3.92E-11  |
| Christensen Ranch    | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 3.18E-13  |
| Christensen Ranch    | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 7.98E-12  |
| Christensen Ranch    | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 2.01E-12  |
| Christensen Ranch    | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 3.79E-14  |
| Christensen Ranch    | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 9.56E-14  |
| Christensen Ranch    | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 6.61E-14  |
| Christensen Ranch    | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 2.76E-12  |
| Christensen Ranch    | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.70E-12  |
| Christensen Ranch    | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 1.24E-12  |
| Christensen Ranch    | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 2.01E-12  |
| Christensen Ranch    | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 3.74E-11  |
| Christensen Ranch    | Hexachlorobenzene                             | 118-74-1          | 2.89E-11  |
| Christensen Ranch    | Hexachlorocyclopentadiene                     | 77-47-4           | 1.09E-10  |
| Christensen Ranch    | Hexachloroethane (Perchloroethane)            | 67-72-1           | 3.56E-12  |
| Christensen Ranch    | hexachloropropene                             | 1888-71-7         | 4.01E-13  |
| Christensen Ranch    | hexane  | 110-54-3          | 5.48E-15  |
| Christensen Ranch    | Hydrogen chloride                             | 7647-01-0         | 5.54E-08  |
| Christensen Ranch    | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 7.39E-10  |
| Christensen Ranch    | Isophorone                                    | 78-59-1           | 1.55E-12  |
| Christensen Ranch    | Lead  | 7439-92-1         | 2.36E-10  |
| Christensen Ranch    | manganese                                     | 7439-96-5         | 9.08E-10  |
| Christensen Ranch    | Mercuric chloride                             | 7487-94-7         | 8.69E-11  |
| Christensen Ranch    | Methacrylonitrile                             | 126-98-7          | 2.54E-12  |
| Christensen Ranch    | Methyl bromide (Bromomethane)                 | 74-83-9           | 9.51E-17  |
| Christensen Ranch    | Methyl chloride (Chloromethane)               | 74-87-3           | 3.02E-15  |
| Christensen Ranch    | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 9.34E-13  |
| Christensen Ranch    | Methyl isobutyl ketone                        | 108-10-1          | 5.93E-13  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Christensen Ranch    | Methyl mercury                 | 22967-92-6        | 1.74E-12  |
| Christensen Ranch    | methyl tert-butyl ether        | 1634-04-4         | 6.90E-14  |
| Christensen Ranch    | methylcyclohexane              | 108-87-2          | 1.33E-14  |
| Christensen Ranch    | Methylene chloride             | 75-09-2           | 1.04E-13  |
| Christensen Ranch    | methymethacrylate              | 80-62-6           | 3.36E-14  |
| Christensen Ranch    | Naphthalene                    | 91-20-3           | 1.88E-09  |
| Christensen Ranch    | Nickel                         | 7440-02-0         | 2.41E-11  |
| Christensen Ranch    | Nitroaniline, 2-               | 88-74-4           | 9.62E-12  |
| Christensen Ranch    | Nitroaniline, 3-               | 99-09-2           | 1.65E-11  |
| Christensen Ranch    | Nitroaniline, 4-               | 100-01-6          | 1.87E-11  |
| Christensen Ranch    | Nitrobenzene                   | 98-95-3           | 1.48E-12  |
| Christensen Ranch    | Nitrophenol, 2-                | 88-75-5           | 4.40E-11  |
| Christensen Ranch    | Nitrophenol, 4-                | 100-02-7          | 3.46E-12  |
| Christensen Ranch    | Nitroso-di-n-butylamine, n-    | 924-16-3          | 3.50E-12  |
| Christensen Ranch    | Nitrosodiphenylamine, N-       | 86-30-6           | 2.74E-12  |
| Christensen Ranch    | Nitrosodipropylamine, n-       | 621-64-7          | 4.20E-12  |
| Christensen Ranch    | n-nitrosodiethylamine          | 55-18-5           | 2.16E-13  |
| Christensen Ranch    | n-nitrosodimethylamine         | 62-75-9           | 3.72E-14  |
| Christensen Ranch    | n-nitrosomethylethylamine      | 10595-95-6        | 2.42E-13  |
| Christensen Ranch    | n-nitrosomorpholine            | 59-89-2           | 1.96E-12  |
| Christensen Ranch    | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 4.07E-13  |
| Christensen Ranch    | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 5.83E-12  |
| Christensen Ranch    | o-tolualdehyde                 | 529-20-4          | 2.01E-10  |
| Christensen Ranch    | p-dimethylaminoazobenzene      | 60-11-7           | 5.84E-09  |
| Christensen Ranch    | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 6.77E-14  |
| Christensen Ranch    | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 7.31E-13  |
| Christensen Ranch    | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.51E-12  |
| Christensen Ranch    | Pentachlorobenzene             | 608-93-5          | 4.61E-11  |
| Christensen Ranch    | pentachloroethane              | 76-01-7           | 3.91E-13  |
| Christensen Ranch    | Pentachloronitrobenzene (PCNB) | 82-68-8           | 2.78E-10  |
| Christensen Ranch    | Pentachlorophenol              | 87-86-5           | 7.01E-10  |
| Christensen Ranch    | perchlorate                    | 14797-73-0        | 4.04E-12  |
| Christensen Ranch    | Phenanthrene                   | 85-01-8           | 5.28E-10  |
| Christensen Ranch    | Phenol                         | 108-95-2          | 2.26E-11  |
| Christensen Ranch    | phosphorous                    | 7723-14-0         | 1.06E-09  |
| Christensen Ranch    | propanal                       | 123-38-6          | 1.00E-12  |
| Christensen Ranch    | propylbenzene                  | 103-65-1          | 2.48E-13  |
| Christensen Ranch    | propylene                      | 115-07-1          | 2.34E-15  |
| Christensen Ranch    | Pyrene                         | 129-00-0          | 3.57E-09  |
| Christensen Ranch    | Pyridine                       | 110-86-1          | 1.62E-13  |
| Christensen Ranch    | Selenium                       | 7782-49-2         | 1.33E-13  |
| Christensen Ranch    | Silver                         | 7440-22-4         | 7.29E-10  |
| Christensen Ranch    | Styrene                        | 100-42-5          | 2.94E-12  |
| Christensen Ranch    | TetraCDD, 2,3,7,8-             | 1746-01-6         | 1.40E-14  |
| Christensen Ranch    | TetraCDF, 2,3,7,8-             | 51207-31-9        | 2.20E-13  |
| Christensen Ranch    | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 7.87E-12  |
| Christensen Ranch    | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 1.32E-14  |



| <i>Receptor Name</i> | <i>COPC Name</i>                        | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Christensen Ranch    | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 2.39E-15  |
| Christensen Ranch    | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 3.28E-11  |
| Christensen Ranch    | Tetrahydrofuran                         | 109-99-9          | 1.56E-14  |
| Christensen Ranch    | Toluene                                 | 108-88-3          | 7.02E-14  |
| Christensen Ranch    | Toluidine, o-                           | 95-53-4           | 1.29E-11  |
| Christensen Ranch    | trans-1,3-dichloropropene               | 10061-02-6        | 1.55E-14  |
| Christensen Ranch    | trans-2-butene                          | 624-64-6          | 5.50E-16  |
| Christensen Ranch    | Trichlorobenzene, 1,2,4-                | 120-82-1          | 2.20E-13  |
| Christensen Ranch    | Trichloroethane, 1,1,1-                 | 71-55-6           | 1.79E-16  |
| Christensen Ranch    | Trichloroethane, 1,1,2-                 | 79-00-5           | 4.11E-15  |
| Christensen Ranch    | Trichloroethylene                       | 79-01-6           | 1.57E-15  |
| Christensen Ranch    | Trichlorophenol, 2,4,5-                 | 95-95-4           | 2.22E-10  |
| Christensen Ranch    | Trichlorophenol, 2,4,6-                 | 88-06-2           | 1.94E-11  |
| Christensen Ranch    | Trimethylbenzene, 1,3,5-                | 108-67-8          | 8.81E-13  |
| Christensen Ranch    | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 3.03E-11  |
| Christensen Ranch    | undecane                                | 1120-21-4         | 1.78E-12  |
| Christensen Ranch    | Vinyl Chloride                          | 75-01-4           | 3.93E-16  |
| Christensen Ranch    | Xylene, m-                              | 108-38-3          | 6.97E-14  |
| Christensen Ranch    | Xylene, o-                              | 95-47-6           | 8.39E-14  |
| Christensen Ranch    | Xylene, p-                              | 106-42-3          | 5.79E-14  |
| Christensen Ranch    | Zinc                                    | 7440-66-6         | 2.22E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|----------------------------|-------------------|---|
| Holmgren Ranch       | 1,2,3-Trimethylbenzene     | 526-73-8          | 2.03E-14  |
| Holmgren Ranch       | 1,2,4-Trimethylbenzene     | 95-63-6           | 1.04E-12  |
| Holmgren Ranch       | 1,4-Diethylbenzene         | 105-05-5          | 1.07E-13  |
| Holmgren Ranch       | 1-butene                   | 106-98-9          | 9.65E-16  |
| Holmgren Ranch       | 1-chloronaphthalene        | 90-13-1           | 1.44E-13  |
| Holmgren Ranch       | 1-Naphthylamine            | 134-32-7          | 1.02E-10  |
| Holmgren Ranch       | 2,2,4-trimethylpentane     | 540-84-1          | 1.19E-16  |
| Holmgren Ranch       | 2,2-dimethylbutane         | 75-83-2           | 2.08E-16  |
| Holmgren Ranch       | 2,3,4-trimethylpentane     | 565-75-3          | 1.89E-15  |
| Holmgren Ranch       | 2,3-dimethylbutane         | 79-29-8           | 3.19E-16  |
| Holmgren Ranch       | 2,3-dimethylpentane        | 565-59-3          | 1.46E-15  |
| Holmgren Ranch       | 2,4-dimethylpentane        | 108-08-7          | 4.85E-16  |
| Holmgren Ranch       | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 2.29E-10  |
| Holmgren Ranch       | 2,6-dichlorophenol         | 87-65-0           | 9.12E-12  |
| Holmgren Ranch       | 2-ethyltoluene             | 611-14-3          | 2.31E-14  |
| Holmgren Ranch       | 2-hexanone                 | 591-78-6          | 7.71E-14  |
| Holmgren Ranch       | 2-methylhexane             | 591-76-4          | 5.67E-14  |
| Holmgren Ranch       | 2-methylnaphthalene        | 91-57-6           | 3.44E-11  |
| Holmgren Ranch       | 2-methylpentane            | 107-83-5          | 4.71E-16  |
| Holmgren Ranch       | 2-naphthylamine            | 91-59-8           | 8.71E-09  |
| Holmgren Ranch       | 3-ethyltoluene             | 620-14-4          | 4.45E-10  |
| Holmgren Ranch       | 3-methylheptane            | 589-81-1          | 5.14E-16  |
| Holmgren Ranch       | 3-methylhexane             | 589-34-4          | 3.23E-14  |
| Holmgren Ranch       | 3-methylpentane            | 96-14-0           | 8.78E-16  |
| Holmgren Ranch       | 4,6-dinitro-2-methylphenol | 534-52-1          | 1.03E-10  |
| Holmgren Ranch       | 4-aminobiphenyl            | 92-67-1           | 7.75E-10  |
| Holmgren Ranch       | 4-ethyltoluene             | 622-96-8          | 2.60E-13  |
| Holmgren Ranch       | Acenaphthene               | 83-32-9           | 2.34E-11  |
| Holmgren Ranch       | acenaphthylene             | 208-96-8          | 9.07E-11  |
| Holmgren Ranch       | Acetaldehyde               | 75-07-0           | 1.16E-13  |
| Holmgren Ranch       | Acetone                    | 67-64-1           | 8.55E-13  |
| Holmgren Ranch       | Acetonitrile               | 75-05-8           | 4.35E-14  |
| Holmgren Ranch       | Acetophenone               | 98-86-2           | 2.56E-12  |
| Holmgren Ranch       | Acrylonitrile              | 107-13-1          | 5.16E-14  |
| Holmgren Ranch       | aluminum                   | 7429-90-5         | 2.57E-07  |
| Holmgren Ranch       | Aniline                    | 62-53-3           | 6.79E-11  |
| Holmgren Ranch       | Anthracene                 | 120-12-7          | 2.52E-11  |
| Holmgren Ranch       | Antimony                   | 7440-36-0         | 1.37E-12  |
| Holmgren Ranch       | Arsenic                    | 7440-38-2         | 2.21E-15  |
| Holmgren Ranch       | Barium                     | 7440-39-3         | 7.68E-10  |
| Holmgren Ranch       | Benzaldehyde               | 100-52-7          | 1.55E-10  |
| Holmgren Ranch       | Benzene                    | 71-43-2           | 5.94E-14  |
| Holmgren Ranch       | Benzo(a)anthracene         | 56-55-3           | 3.96E-10  |
| Holmgren Ranch       | Benzo(a)pyrene             | 50-32-8           | 4.84E-11  |
| Holmgren Ranch       | Benzo(b)fluoranthene       | 205-99-2          | 3.25E-10  |
| Holmgren Ranch       | benzo(g,h,i)perylene       | 191-24-2          | 5.89E-09  |
| Holmgren Ranch       | Benzo(k)fluoranthene       | 207-08-9          | 2.87E-09  |

| <b>Receptor Name</b> | <b>COPC Name</b>                           | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--|-------------------|---|
| Holmgren Ranch       | Benzoic acid                               | 65-85-0           | 7.43E-11  |
| Holmgren Ranch       | Benzyl alcohol                             | 100-51-6          | 2.33E-12  |
| Holmgren Ranch       | Benzyl chloride                            | 100-44-7          | 6.59E-14  |
| Holmgren Ranch       | Bis(2-chlorethyl)ether                     | 111-44-4          | 1.04E-12  |
| Holmgren Ranch       | bis(2-chloroethoxy)methane                 | 111-91-1          | 6.29E-13  |
| Holmgren Ranch       | Bromodichloromethane                       | 75-27-4           | 1.04E-13  |
| Holmgren Ranch       | Bromoform (Tribromomethane)                | 75-25-2           | 3.44E-17  |
| Holmgren Ranch       | Bromophenyl-phenylether, 4-                | 101-55-3          | 1.50E-09  |
| Holmgren Ranch       | Butylbenzylphthalate                       | 85-68-7           | 5.03E-13  |
| Holmgren Ranch       | Cadmium                                    | 7440-43-9         | 1.21E-14  |
| Holmgren Ranch       | carbazole                                  | 86-74-8           | 3.75E-10  |
| Holmgren Ranch       | Carbon disulfide                           | 75-15-0           | 5.81E-16  |
| Holmgren Ranch       | Carbon tetrachloride                       | 56-23-5           | 4.56E-15  |
| Holmgren Ranch       | Chlorine                                   | 7782-50-5         | 1.87E-08  |
| Holmgren Ranch       | Chloro-3-methylphenol, 4-                  | 59-50-7           | 8.97E-11  |
| Holmgren Ranch       | chloroacetonitrile                         | 107-14-2          | 4.64E-14  |
| Holmgren Ranch       | Chloroaniline, p-                          | 106-47-8          | 1.39E-12  |
| Holmgren Ranch       | Chlorobenzene                              | 108-90-7          | 8.27E-15  |
| Holmgren Ranch       | Chloroethane                               | 75-00-3           | 1.20E-17  |
| Holmgren Ranch       | Chloroform (Trichloromethane)              | 67-66-3           | 2.58E-15  |
| Holmgren Ranch       | Chloronaphthalene,2-                       | 91-58-7           | 4.84E-11  |
| Holmgren Ranch       | Chlorophenol, 2-                           | 95-57-8           | 2.72E-11  |
| Holmgren Ranch       | Chromium                                   | 7440-47-3         | 1.01E-08  |
| Holmgren Ranch       | Chromium, hexavalent                       | 18540-29-9        | 8.31E-09  |
| Holmgren Ranch       | Chrysene                                   | 218-01-9          | 5.13E-10  |
| Holmgren Ranch       | cis-1,3-dichloropropene                    | 10062-01-5        | 4.94E-15  |
| Holmgren Ranch       | cis-2-butene                               | 590-18-1          | 7.46E-17  |
| Holmgren Ranch       | cobalt                                     | 7440-48-4         | 7.72E-13  |
| Holmgren Ranch       | copper                                     | 7440-50-8         | 1.61E-10  |
| Holmgren Ranch       | Cresol, m-                                 | 108-39-4          | 6.28E-13  |
| Holmgren Ranch       | Cresol, o-                                 | 95-48-7           | 6.87E-12  |
| Holmgren Ranch       | Cresol, p-                                 | 106-44-5          | 3.61E-14  |
| Holmgren Ranch       | crotonaldehyde                             | 4170-30-3         | 2.40E-13  |
| Holmgren Ranch       | Cumene (Isopropylbenzene)                  | 98-82-8           | 6.53E-15  |
| Holmgren Ranch       | cyclohexane                                | 110-82-7          | 4.36E-16  |
| Holmgren Ranch       | Dibenz(a,h)anthracene                      | 53-70-3           | 1.39E-10  |
| Holmgren Ranch       | dibenzofuran                               | 132-64-9          | 1.39E-11  |
| Holmgren Ranch       | Dibromochloromethane                       | 124-48-1          | 1.32E-12  |
| Holmgren Ranch       | Dichlorobenzene, 1,2-                      | 95-50-1           | 3.28E-14  |
| Holmgren Ranch       | Dichlorobenzene, 1,3-                      | 541-73-1          | 5.01E-14  |
| Holmgren Ranch       | Dichlorobenzene,1,4-                       | 106-46-7          | 8.54E-15  |
| Holmgren Ranch       | Dichloroethane 1,1-                        | 75-34-3           | 9.39E-17  |
| Holmgren Ranch       | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 3.77E-16  |
| Holmgren Ranch       | Dichloroethylene 1,1-                      | 75-35-4           | 4.48E-17  |
| Holmgren Ranch       | Dichloroethylene, cis-1,2-                 | 156-59-2          | 4.16E-15  |
| Holmgren Ranch       | Dichloroethylene-1,2 (trans)               | 156-60-5          | 2.21E-16  |
| Holmgren Ranch       | Dichlorophenol, 2,4-                       | 120-83-2          | 3.88E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Holmgren Ranch       | Dichloropropane, 1,2-                         | 78-87-5           | 3.09E-16  |
| Holmgren Ranch       | Diethyl phthalate                             | 84-66-2           | 1.81E-11  |
| Holmgren Ranch       | Dimethyl phthalate                            | 131-11-3          | 1.04E-12  |
| Holmgren Ranch       | Dimethylphenol, 2,4-                          | 105-67-9          | 2.02E-11  |
| Holmgren Ranch       | Di-n-butyl phthalate                          | 84-74-2           | 1.08E-10  |
| Holmgren Ranch       | Dinitrobenzene, 1,3-                          | 99-65-0           | 1.79E-11  |
| Holmgren Ranch       | Dinitrophenol, 2,4-                           | 51-28-5           | 4.01E-13  |
| Holmgren Ranch       | Dinitrotoluene, 2,4-                          | 121-14-2          | 5.14E-12  |
| Holmgren Ranch       | Dinitrotoluene, 2,6-                          | 606-20-2          | 3.77E-12  |
| Holmgren Ranch       | Di-n-octylphthalate                           | 117-84-0          | 6.05E-11  |
| Holmgren Ranch       | Dioxane, 1,4-                                 | 123-91-1          | 1.17E-14  |
| Holmgren Ranch       | diphenylamine                                 | 122-39-4          | 1.10E-10  |
| Holmgren Ranch       | Ethyl methacrylate                            | 97-63-2           | 2.66E-12  |
| Holmgren Ranch       | Ethylbenzene                                  | 100-41-4          | 2.75E-14  |
| Holmgren Ranch       | Ethylene Dibromide                            | 106-93-4          | 1.90E-13  |
| Holmgren Ranch       | ethylether                                    | 60-29-7           | 2.24E-15  |
| Holmgren Ranch       | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 3.68E-11  |
| Holmgren Ranch       | Fluoranthene                                  | 206-44-0          | 5.02E-10  |
| Holmgren Ranch       | Fluorene                                      | 86-73-7           | 1.65E-11  |
| Holmgren Ranch       | Formaldehyde                                  | 50-00-0           | 1.99E-11  |
| Holmgren Ranch       | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 2.19E-13  |
| Holmgren Ranch       | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 5.49E-12  |
| Holmgren Ranch       | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 1.38E-12  |
| Holmgren Ranch       | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 2.61E-14  |
| Holmgren Ranch       | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 6.57E-14  |
| Holmgren Ranch       | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 4.55E-14  |
| Holmgren Ranch       | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 1.89E-12  |
| Holmgren Ranch       | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.17E-12  |
| Holmgren Ranch       | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 8.48E-13  |
| Holmgren Ranch       | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 1.38E-12  |
| Holmgren Ranch       | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 1.90E-11  |
| Holmgren Ranch       | Hexachlorobenzene                             | 118-74-1          | 1.47E-11  |
| Holmgren Ranch       | Hexachlorocyclopentadiene                     | 77-47-4           | 5.54E-11  |
| Holmgren Ranch       | Hexachloroethane (Perchloroethane)            | 67-72-1           | 1.81E-12  |
| Holmgren Ranch       | hexachloropropene                             | 1888-71-7         | 2.04E-13  |
| Holmgren Ranch       | hexane  | 110-54-3          | 2.78E-15  |
| Holmgren Ranch       | Hydrogen chloride                             | 7647-01-0         | 2.82E-08  |
| Holmgren Ranch       | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 4.92E-10  |
| Holmgren Ranch       | Isophorone                                    | 78-59-1           | 7.89E-13  |
| Holmgren Ranch       | Lead  | 7439-92-1         | 1.57E-10  |
| Holmgren Ranch       | manganese                                     | 7439-96-5         | 6.05E-10  |
| Holmgren Ranch       | Mercuric chloride                             | 7487-94-7         | 5.99E-11  |
| Holmgren Ranch       | Methacrylonitrile                             | 126-98-7          | 1.29E-12  |
| Holmgren Ranch       | Methyl bromide (Bromomethane)                 | 74-83-9           | 4.83E-17  |
| Holmgren Ranch       | Methyl chloride (Chloromethane)               | 74-87-3           | 1.54E-15  |
| Holmgren Ranch       | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 4.75E-13  |
| Holmgren Ranch       | Methyl isobutyl ketone                        | 108-10-1          | 3.01E-13  |

| <i>Receptor Name</i> | <i>COPC Name</i>               | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--------------------------------|-------------------|---|
| Holmgren Ranch       | Methyl mercury                 | 22967-92-6        | 1.20E-12  |
| Holmgren Ranch       | methyl tert-butyl ether        | 1634-04-4         | 3.50E-14  |
| Holmgren Ranch       | methylcyclohexane              | 108-87-2          | 6.74E-15  |
| Holmgren Ranch       | Methylene chloride             | 75-09-2           | 5.27E-14  |
| Holmgren Ranch       | methymethacrylate              | 80-62-6           | 1.71E-14  |
| Holmgren Ranch       | Naphthalene                    | 91-20-3           | 9.53E-10  |
| Holmgren Ranch       | Nickel                         | 7440-02-0         | 1.60E-11  |
| Holmgren Ranch       | Nitroaniline, 2-               | 88-74-4           | 4.88E-12  |
| Holmgren Ranch       | Nitroaniline, 3-               | 99-09-2           | 8.40E-12  |
| Holmgren Ranch       | Nitroaniline, 4-               | 100-01-6          | 9.51E-12  |
| Holmgren Ranch       | Nitrobenzene                   | 98-95-3           | 7.52E-13  |
| Holmgren Ranch       | Nitrophenol, 2-                | 88-75-5           | 2.23E-11  |
| Holmgren Ranch       | Nitrophenol, 4-                | 100-02-7          | 1.76E-12  |
| Holmgren Ranch       | Nitroso-di-n-butylamine, n-    | 924-16-3          | 1.78E-12  |
| Holmgren Ranch       | Nitrosodiphenylamine, N-       | 86-30-6           | 1.39E-12  |
| Holmgren Ranch       | Nitrosodipropylamine, n-       | 621-64-7          | 2.13E-12  |
| Holmgren Ranch       | n-nitrosodiethylamine          | 55-18-5           | 1.10E-13  |
| Holmgren Ranch       | n-nitrosodimethylamine         | 62-75-9           | 1.89E-14  |
| Holmgren Ranch       | n-nitrosomethylethylamine      | 10595-95-6        | 1.23E-13  |
| Holmgren Ranch       | n-nitrosomorpholine            | 59-89-2           | 9.96E-13  |
| Holmgren Ranch       | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 2.80E-13  |
| Holmgren Ranch       | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 4.02E-12  |
| Holmgren Ranch       | o-tolualdehyde                 | 529-20-4          | 1.02E-10  |
| Holmgren Ranch       | p-dimethylaminoazobenzene      | 60-11-7           | 4.01E-09  |
| Holmgren Ranch       | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 4.61E-14  |
| Holmgren Ranch       | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 4.87E-13  |
| Holmgren Ranch       | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.01E-12  |
| Holmgren Ranch       | Pentachlorobenzene             | 608-93-5          | 2.34E-11  |
| Holmgren Ranch       | pentachloroethane              | 76-01-7           | 1.99E-13  |
| Holmgren Ranch       | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.41E-10  |
| Holmgren Ranch       | Pentachlorophenol              | 87-86-5           | 3.56E-10  |
| Holmgren Ranch       | perchlorate                    | 14797-73-0        | 2.79E-12  |
| Holmgren Ranch       | Phenanthrene                   | 85-01-8           | 2.69E-10  |
| Holmgren Ranch       | Phenol                         | 108-95-2          | 1.15E-11  |
| Holmgren Ranch       | phosphorous                    | 7723-14-0         | 7.08E-10  |
| Holmgren Ranch       | propanal                       | 123-38-6          | 5.09E-13  |
| Holmgren Ranch       | propylbenzene                  | 103-65-1          | 1.26E-13  |
| Holmgren Ranch       | propylene                      | 115-07-1          | 1.19E-15  |
| Holmgren Ranch       | Pyrene                         | 129-00-0          | 1.83E-09  |
| Holmgren Ranch       | Pyridine                       | 110-86-1          | 8.23E-14  |
| Holmgren Ranch       | Selenium                       | 7782-49-2         | 8.83E-14  |
| Holmgren Ranch       | Silver                         | 7440-22-4         | 4.85E-10  |
| Holmgren Ranch       | Styrene                        | 100-42-5          | 1.49E-12  |
| Holmgren Ranch       | TetraCDD, 2,3,7,8-             | 1746-01-6         | 8.55E-15  |
| Holmgren Ranch       | TetraCDF, 2,3,7,8-             | 51207-31-9        | 1.29E-13  |
| Holmgren Ranch       | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 4.00E-12  |
| Holmgren Ranch       | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 6.68E-15  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Holmgren Ranch       | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 1.21E-15  |
| Holmgren Ranch       | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 1.67E-11  |
| Holmgren Ranch       | Tetrahydrofuran                         | 109-99-9          | 7.90E-15  |
| Holmgren Ranch       | Toluene                                 | 108-88-3          | 3.57E-14  |
| Holmgren Ranch       | Toluidine, o-                           | 95-53-4           | 6.56E-12  |
| Holmgren Ranch       | trans-1,3-dichloropropene               | 10061-02-6        | 7.86E-15  |
| Holmgren Ranch       | trans-2-butene                          | 624-64-6          | 2.80E-16  |
| Holmgren Ranch       | Trichlorobenzene, 1,2,4-                | 120-82-1          | 1.12E-13  |
| Holmgren Ranch       | Trichloroethane, 1,1,1-                 | 71-55-6           | 9.10E-17  |
| Holmgren Ranch       | Trichloroethane, 1,1,2-                 | 79-00-5           | 2.09E-15  |
| Holmgren Ranch       | Trichloroethylene                       | 79-01-6           | 7.98E-16  |
| Holmgren Ranch       | Trichlorophenol, 2,4,5-                 | 95-95-4           | 1.13E-10  |
| Holmgren Ranch       | Trichlorophenol, 2,4,6-                 | 88-06-2           | 9.83E-12  |
| Holmgren Ranch       | Trimethylbenzene, 1,3,5-                | 108-67-8          | 4.47E-13  |
| Holmgren Ranch       | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.55E-11  |
| Holmgren Ranch       | undecane                                | 1120-21-4         | 9.04E-13  |
| Holmgren Ranch       | Vinyl Chloride                          | 75-01-4           | 2.00E-16  |
| Holmgren Ranch       | Xylene, m-                              | 108-38-3          | 3.54E-14  |
| Holmgren Ranch       | Xylene, o-                              | 95-47-6           | 4.26E-14  |
| Holmgren Ranch       | Xylene, p-                              | 106-42-3          | 2.94E-14  |
| Holmgren Ranch       | Zinc                                    | 7440-66-6         | 1.48E-11  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Howell Dairy         | 1,2,3-Trimethylbenzene     | 526-73-8          | 1.50E-14  |
| Howell Dairy         | 1,2,4-Trimethylbenzene     | 95-63-6           | 7.68E-13  |
| Howell Dairy         | 1,4-Diethylbenzene         | 105-05-5          | 7.89E-14  |
| Howell Dairy         | 1-butene                   | 106-98-9          | 7.11E-16  |
| Howell Dairy         | 1-chloronaphthalene        | 90-13-1           | 1.06E-13  |
| Howell Dairy         | 1-Naphthylamine            | 134-32-7          | 7.50E-11  |
| Howell Dairy         | 2,2,4-trimethylpentane     | 540-84-1          | 8.73E-17  |
| Howell Dairy         | 2,2-dimethylbutane         | 75-83-2           | 1.53E-16  |
| Howell Dairy         | 2,3,4-trimethylpentane     | 565-75-3          | 1.39E-15  |
| Howell Dairy         | 2,3-dimethylbutane         | 79-29-8           | 2.35E-16  |
| Howell Dairy         | 2,3-dimethylpentane        | 565-59-3          | 1.07E-15  |
| Howell Dairy         | 2,4-dimethylpentane        | 108-08-7          | 3.58E-16  |
| Howell Dairy         | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 1.69E-10  |
| Howell Dairy         | 2,6-dichlorophenol         | 87-65-0           | 6.72E-12  |
| Howell Dairy         | 2-ethyltoluene             | 611-14-3          | 1.70E-14  |
| Howell Dairy         | 2-hexanone                 | 591-78-6          | 5.68E-14  |
| Howell Dairy         | 2-methylhexane             | 591-76-4          | 4.17E-14  |
| Howell Dairy         | 2-methylnaphthalene        | 91-57-6           | 2.53E-11  |
| Howell Dairy         | 2-methylpentane            | 107-83-5          | 3.47E-16  |
| Howell Dairy         | 2-naphthylamine            | 91-59-8           | 5.82E-09  |
| Howell Dairy         | 3-ethyltoluene             | 620-14-4          | 3.28E-10  |
| Howell Dairy         | 3-methylheptane            | 589-81-1          | 3.79E-16  |
| Howell Dairy         | 3-methylhexane             | 589-34-4          | 2.38E-14  |
| Howell Dairy         | 3-methylpentane            | 96-14-0           | 6.47E-16  |
| Howell Dairy         | 4,6-dinitro-2-methylphenol | 534-52-1          | 7.54E-11  |
| Howell Dairy         | 4-aminobiphenyl            | 92-67-1           | 5.60E-10  |
| Howell Dairy         | 4-ethyltoluene             | 622-96-8          | 1.92E-13  |
| Howell Dairy         | Acenaphthene               | 83-32-9           | 1.73E-11  |
| Howell Dairy         | acenaphthylene             | 208-96-8          | 6.67E-11  |
| Howell Dairy         | Acetaldehyde               | 75-07-0           | 8.53E-14  |
| Howell Dairy         | Acetone                    | 67-64-1           | 6.30E-13  |
| Howell Dairy         | Acetonitrile               | 75-05-8           | 3.21E-14  |
| Howell Dairy         | Acetophenone               | 98-86-2           | 1.88E-12  |
| Howell Dairy         | Acrylonitrile              | 107-13-1          | 3.80E-14  |
| Howell Dairy         | aluminum                   | 7429-90-5         | 1.58E-07  |
| Howell Dairy         | Aniline                    | 62-53-3           | 5.00E-11  |
| Howell Dairy         | Anthracene                 | 120-12-7          | 1.86E-11  |
| Howell Dairy         | Antimony                   | 7440-36-0         | 1.01E-12  |
| Howell Dairy         | Arsenic                    | 7440-38-2         | 1.36E-15  |
| Howell Dairy         | Barium                     | 7440-39-3         | 4.72E-10  |
| Howell Dairy         | Benzaldehyde               | 100-52-7          | 1.15E-10  |
| Howell Dairy         | Benzene                    | 71-43-2           | 4.37E-14  |
| Howell Dairy         | Benzo(a)anthracene         | 56-55-3           | 2.51E-10  |
| Howell Dairy         | Benzo(a)pyrene             | 50-32-8           | 3.01E-11  |
| Howell Dairy         | Benzo(b)fluoranthene       | 205-99-2          | 2.35E-10  |
| Howell Dairy         | benzo(g,h,i)perylene       | 191-24-2          | 3.62E-09  |
| Howell Dairy         | Benzo(k)fluoranthene       | 207-08-9          | 1.78E-09  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Howell Dairy         | Benzoic acid                               | 65-85-0           | 5.47E-11  |
| Howell Dairy         | Benzyl alcohol                             | 100-51-6          | 1.71E-12  |
| Howell Dairy         | Benzyl chloride                            | 100-44-7          | 4.85E-14  |
| Howell Dairy         | Bis(2-chlorethyl)ether                     | 111-44-4          | 7.67E-13  |
| Howell Dairy         | bis(2-chloroethoxy)methane                 | 111-91-1          | 4.64E-13  |
| Howell Dairy         | Bromodichloromethane                       | 75-27-4           | 7.66E-14  |
| Howell Dairy         | Bromoform (Tribromomethane)                | 75-25-2           | 2.53E-17  |
| Howell Dairy         | Bromophenyl-phenylether, 4-                | 101-55-3          | 1.11E-09  |
| Howell Dairy         | Butylbenzylphthalate                       | 85-68-7           | 3.60E-13  |
| Howell Dairy         | Cadmium                                    | 7440-43-9         | 7.43E-15  |
| Howell Dairy         | carbazole                                  | 86-74-8           | 2.76E-10  |
| Howell Dairy         | Carbon disulfide                           | 75-15-0           | 4.28E-16  |
| Howell Dairy         | Carbon tetrachloride                       | 56-23-5           | 3.36E-15  |
| Howell Dairy         | Chlorine                                   | 7782-50-5         | 1.38E-08  |
| Howell Dairy         | Chloro-3-methylphenol, 4-                  | 59-50-7           | 6.61E-11  |
| Howell Dairy         | chloroacetonitrile                         | 107-14-2          | 3.42E-14  |
| Howell Dairy         | Chloroaniline, p-                          | 106-47-8          | 1.03E-12  |
| Howell Dairy         | Chlorobenzene                              | 108-90-7          | 6.09E-15  |
| Howell Dairy         | Chloroethane                               | 75-00-3           | 8.84E-18  |
| Howell Dairy         | Chloroform (Trichloromethane)              | 67-66-3           | 1.90E-15  |
| Howell Dairy         | Chloronaphthalene,2-                       | 91-58-7           | 3.56E-11  |
| Howell Dairy         | Chlorophenol, 2-                           | 95-57-8           | 2.00E-11  |
| Howell Dairy         | Chromium                                   | 7440-47-3         | 6.20E-09  |
| Howell Dairy         | Chromium, hexavalent                       | 18540-29-9        | 5.10E-09  |
| Howell Dairy         | Chrysene                                   | 218-01-9          | 3.42E-10  |
| Howell Dairy         | cis-1,3-dichloropropene                    | 10062-01-5        | 3.64E-15  |
| Howell Dairy         | cis-2-butene                               | 590-18-1          | 5.49E-17  |
| Howell Dairy         | cobalt                                     | 7440-48-4         | 4.74E-13  |
| Howell Dairy         | copper                                     | 7440-50-8         | 9.88E-11  |
| Howell Dairy         | Cresol, m-                                 | 108-39-4          | 4.63E-13  |
| Howell Dairy         | Cresol, o-                                 | 95-48-7           | 5.06E-12  |
| Howell Dairy         | Cresol, p-                                 | 106-44-5          | 2.66E-14  |
| Howell Dairy         | crotonaldehyde                             | 4170-30-3         | 1.77E-13  |
| Howell Dairy         | Cumene (Isopropylbenzene)                  | 98-82-8           | 4.81E-15  |
| Howell Dairy         | cyclohexane                                | 110-82-7          | 3.21E-16  |
| Howell Dairy         | Dibenz(a,h)anthracene                      | 53-70-3           | 8.50E-11  |
| Howell Dairy         | dibenzofuran                               | 132-64-9          | 1.02E-11  |
| Howell Dairy         | Dibromochloromethane                       | 124-48-1          | 9.75E-13  |
| Howell Dairy         | Dichlorobenzene, 1,2-                      | 95-50-1           | 2.41E-14  |
| Howell Dairy         | Dichlorobenzene, 1,3-                      | 541-73-1          | 3.69E-14  |
| Howell Dairy         | Dichlorobenzene,1,4-                       | 106-46-7          | 6.30E-15  |
| Howell Dairy         | Dichloroethane 1,1-                        | 75-34-3           | 6.92E-17  |
| Howell Dairy         | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 2.78E-16  |
| Howell Dairy         | Dichloroethylene 1,1-                      | 75-35-4           | 3.30E-17  |
| Howell Dairy         | Dichloroethylene, cis-1,2-                 | 156-59-2          | 3.07E-15  |
| Howell Dairy         | Dichloroethylene-1,2 (trans)               | 156-60-5          | 1.63E-16  |
| Howell Dairy         | Dichlorophenol, 2,4-                       | 120-83-2          | 2.86E-12  |



| <i>Receptor Name</i> | <i>COPC Name</i>                              | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Howell Dairy         | Dichloropropane, 1,2-                         | 78-87-5           | 2.28E-16  |
| Howell Dairy         | Diethyl phthalate                             | 84-66-2           | 1.33E-11  |
| Howell Dairy         | Dimethyl phthalate                            | 131-11-3          | 7.69E-13  |
| Howell Dairy         | Dimethylphenol, 2,4-                          | 105-67-9          | 1.49E-11  |
| Howell Dairy         | Di-n-butyl phthalate                          | 84-74-2           | 7.96E-11  |
| Howell Dairy         | Dinitrobenzene, 1,3-                          | 99-65-0           | 1.32E-11  |
| Howell Dairy         | Dinitrophenol, 2,4-                           | 51-28-5           | 2.95E-13  |
| Howell Dairy         | Dinitrotoluene, 2,4-                          | 121-14-2          | 3.78E-12  |
| Howell Dairy         | Dinitrotoluene, 2,6-                          | 606-20-2          | 2.78E-12  |
| Howell Dairy         | Di-n-octylphthalate                           | 117-84-0          | 4.16E-11  |
| Howell Dairy         | Dioxane, 1,4-                                 | 123-91-1          | 8.62E-15  |
| Howell Dairy         | diphenylamine                                 | 122-39-4          | 8.10E-11  |
| Howell Dairy         | Ethyl methacrylate                            | 97-63-2           | 1.96E-12  |
| Howell Dairy         | Ethylbenzene                                  | 100-41-4          | 2.03E-14  |
| Howell Dairy         | Ethylene Dibromide                            | 106-93-4          | 1.40E-13  |
| Howell Dairy         | ethylether                                    | 60-29-7           | 1.65E-15  |
| Howell Dairy         | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 2.26E-11  |
| Howell Dairy         | Fluoranthene                                  | 206-44-0          | 3.68E-10  |
| Howell Dairy         | Fluorene                                      | 86-73-7           | 1.22E-11  |
| Howell Dairy         | Formaldehyde                                  | 50-00-0           | 1.47E-11  |
| Howell Dairy         | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 1.34E-13  |
| Howell Dairy         | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 3.34E-12  |
| Howell Dairy         | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 8.43E-13  |
| Howell Dairy         | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 1.59E-14  |
| Howell Dairy         | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 4.01E-14  |
| Howell Dairy         | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 2.77E-14  |
| Howell Dairy         | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 1.16E-12  |
| Howell Dairy         | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 7.11E-13  |
| Howell Dairy         | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 5.19E-13  |
| Howell Dairy         | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 8.42E-13  |
| Howell Dairy         | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 1.40E-11  |
| Howell Dairy         | Hexachlorobenzene                             | 118-74-1          | 1.08E-11  |
| Howell Dairy         | Hexachlorocyclopentadiene                     | 77-47-4           | 4.08E-11  |
| Howell Dairy         | Hexachloroethane (Perchloroethane)            | 67-72-1           | 1.33E-12  |
| Howell Dairy         | hexachloropropene                             | 1888-71-7         | 1.50E-13  |
| Howell Dairy         | hexane  | 110-54-3          | 2.05E-15  |
| Howell Dairy         | Hydrogen chloride                             | 7647-01-0         | 2.07E-08  |
| Howell Dairy         | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 3.02E-10  |
| Howell Dairy         | Isophorone                                    | 78-59-1           | 5.81E-13  |
| Howell Dairy         | Lead  | 7439-92-1         | 9.66E-11  |
| Howell Dairy         | manganese                                     | 7439-96-5         | 3.71E-10  |
| Howell Dairy         | Mercuric chloride                             | 7487-94-7         | 3.64E-11  |
| Howell Dairy         | Methacrylonitrile                             | 126-98-7          | 9.52E-13  |
| Howell Dairy         | Methyl bromide (Bromomethane)                 | 74-83-9           | 3.56E-17  |
| Howell Dairy         | Methyl chloride (Chloromethane)               | 74-87-3           | 1.13E-15  |
| Howell Dairy         | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 3.50E-13  |
| Howell Dairy         | Methyl isobutyl ketone                        | 108-10-1          | 2.22E-13  |

| <i>Receptor Name</i> | <i>COPC Name</i>               | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--------------------------------|-------------------|---|
| Howell Dairy         | Methyl mercury                 | 22967-92-6        | 7.29E-13  |
| Howell Dairy         | methyl tert-butyl ether        | 1634-04-4         | 2.58E-14  |
| Howell Dairy         | methylcyclohexane              | 108-87-2          | 4.97E-15  |
| Howell Dairy         | Methylene chloride             | 75-09-2           | 3.88E-14  |
| Howell Dairy         | methymethacrylate              | 80-62-6           | 1.26E-14  |
| Howell Dairy         | Naphthalene                    | 91-20-3           | 7.02E-10  |
| Howell Dairy         | Nickel                         | 7440-02-0         | 9.85E-12  |
| Howell Dairy         | Nitroaniline, 2-               | 88-74-4           | 3.60E-12  |
| Howell Dairy         | Nitroaniline, 3-               | 99-09-2           | 6.18E-12  |
| Howell Dairy         | Nitroaniline, 4-               | 100-01-6          | 7.00E-12  |
| Howell Dairy         | Nitrobenzene                   | 98-95-3           | 5.54E-13  |
| Howell Dairy         | Nitrophenol, 2-                | 88-75-5           | 1.65E-11  |
| Howell Dairy         | Nitrophenol, 4-                | 100-02-7          | 1.30E-12  |
| Howell Dairy         | Nitroso-di-n-butylamine, n-    | 924-16-3          | 1.31E-12  |
| Howell Dairy         | Nitrosodiphenylamine, N-       | 86-30-6           | 1.02E-12  |
| Howell Dairy         | Nitrosodipropylamine, n-       | 621-64-7          | 1.57E-12  |
| Howell Dairy         | n-nitrosodiethylamine          | 55-18-5           | 8.10E-14  |
| Howell Dairy         | n-nitrosodimethylamine         | 62-75-9           | 1.39E-14  |
| Howell Dairy         | n-nitrosomethylethylamine      | 10595-95-6        | 9.06E-14  |
| Howell Dairy         | n-nitrosomorpholine            | 59-89-2           | 7.34E-13  |
| Howell Dairy         | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 1.71E-13  |
| Howell Dairy         | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 2.45E-12  |
| Howell Dairy         | o-tolualdehyde                 | 529-20-4          | 7.53E-11  |
| Howell Dairy         | p-dimethylaminoazobenzene      | 60-11-7           | 2.44E-09  |
| Howell Dairy         | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 2.83E-14  |
| Howell Dairy         | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 3.02E-13  |
| Howell Dairy         | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 6.25E-13  |
| Howell Dairy         | Pentachlorobenzene             | 608-93-5          | 1.73E-11  |
| Howell Dairy         | pentachloroethane              | 76-01-7           | 1.46E-13  |
| Howell Dairy         | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.04E-10  |
| Howell Dairy         | Pentachlorophenol              | 87-86-5           | 2.62E-10  |
| Howell Dairy         | perchlorate                    | 14797-73-0        | 1.70E-12  |
| Howell Dairy         | Phenanthrene                   | 85-01-8           | 1.98E-10  |
| Howell Dairy         | Phenol                         | 108-95-2          | 8.47E-12  |
| Howell Dairy         | phosphorous                    | 7723-14-0         | 4.35E-10  |
| Howell Dairy         | propanal                       | 123-38-6          | 3.75E-13  |
| Howell Dairy         | propylbenzene                  | 103-65-1          | 9.27E-14  |
| Howell Dairy         | propylene                      | 115-07-1          | 8.74E-16  |
| Howell Dairy         | Pyrene                         | 129-00-0          | 1.34E-09  |
| Howell Dairy         | Pyridine                       | 110-86-1          | 6.06E-14  |
| Howell Dairy         | Selenium                       | 7782-49-2         | 5.42E-14  |
| Howell Dairy         | Silver                         | 7440-22-4         | 2.98E-10  |
| Howell Dairy         | Styrene                        | 100-42-5          | 1.10E-12  |
| Howell Dairy         | TetraCDD, 2,3,7,8-             | 1746-01-6         | 5.59E-15  |
| Howell Dairy         | TetraCDF, 2,3,7,8-             | 51207-31-9        | 8.66E-14  |
| Howell Dairy         | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 2.94E-12  |
| Howell Dairy         | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 4.92E-15  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Howell Dairy         | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 8.95E-16  |
| Howell Dairy         | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 1.23E-11  |
| Howell Dairy         | Tetrahydrofuran                         | 109-99-9          | 5.82E-15  |
| Howell Dairy         | Toluene                                 | 108-88-3          | 2.63E-14  |
| Howell Dairy         | Toluidine, o-                           | 95-53-4           | 4.83E-12  |
| Howell Dairy         | trans-1,3-dichloropropene               | 10061-02-6        | 5.79E-15  |
| Howell Dairy         | trans-2-butene                          | 624-64-6          | 2.06E-16  |
| Howell Dairy         | Trichlorobenzene, 1,2,4-                | 120-82-1          | 8.24E-14  |
| Howell Dairy         | Trichloroethane, 1,1,1-                 | 71-55-6           | 6.71E-17  |
| Howell Dairy         | Trichloroethane, 1,1,2-                 | 79-00-5           | 1.54E-15  |
| Howell Dairy         | Trichloroethylene                       | 79-01-6           | 5.88E-16  |
| Howell Dairy         | Trichlorophenol, 2,4,5-                 | 95-95-4           | 8.31E-11  |
| Howell Dairy         | Trichlorophenol, 2,4,6-                 | 88-06-2           | 7.24E-12  |
| Howell Dairy         | Trimethylbenzene, 1,3,5-                | 108-67-8          | 3.30E-13  |
| Howell Dairy         | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.14E-11  |
| Howell Dairy         | undecane                                | 1120-21-4         | 6.66E-13  |
| Howell Dairy         | Vinyl Chloride                          | 75-01-4           | 1.47E-16  |
| Howell Dairy         | Xylene, m-                              | 108-38-3          | 2.61E-14  |
| Howell Dairy         | Xylene, o-                              | 95-47-6           | 3.14E-14  |
| Howell Dairy         | Xylene, p-                              | 106-42-3          | 2.17E-14  |
| Howell Dairy         | Zinc                                    | 7440-66-6         | 9.08E-12  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Penrose              | 1,2,3-Trimethylbenzene     | 526-73-8          | 1.32E-14  |
| Penrose              | 1,2,4-Trimethylbenzene     | 95-63-6           | 6.78E-13  |
| Penrose              | 1,4-Diethylbenzene         | 105-05-5          | 6.97E-14  |
| Penrose              | 1-butene                   | 106-98-9          | 6.27E-16  |
| Penrose              | 1-chloronaphthalene        | 90-13-1           | 9.37E-14  |
| Penrose              | 1-Naphthylamine            | 134-32-7          | 6.62E-11  |
| Penrose              | 2,2,4-trimethylpentane     | 540-84-1          | 7.71E-17  |
| Penrose              | 2,2-dimethylbutane         | 75-83-2           | 1.35E-16  |
| Penrose              | 2,3,4-trimethylpentane     | 565-75-3          | 1.23E-15  |
| Penrose              | 2,3-dimethylbutane         | 79-29-8           | 2.07E-16  |
| Penrose              | 2,3-dimethylpentane        | 565-59-3          | 9.48E-16  |
| Penrose              | 2,4-dimethylpentane        | 108-08-7          | 3.16E-16  |
| Penrose              | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 1.49E-10  |
| Penrose              | 2,6-dichlorophenol         | 87-65-0           | 5.93E-12  |
| Penrose              | 2-ethyltoluene             | 611-14-3          | 1.50E-14  |
| Penrose              | 2-hexanone                 | 591-78-6          | 5.01E-14  |
| Penrose              | 2-methylhexane             | 591-76-4          | 3.68E-14  |
| Penrose              | 2-methylnaphthalene        | 91-57-6           | 2.24E-11  |
| Penrose              | 2-methylpentane            | 107-83-5          | 3.06E-16  |
| Penrose              | 2-naphthylamine            | 91-59-8           | 5.99E-09  |
| Penrose              | 3-ethyltoluene             | 620-14-4          | 2.89E-10  |
| Penrose              | 3-methylheptane            | 589-81-1          | 3.34E-16  |
| Penrose              | 3-methylhexane             | 589-34-4          | 2.10E-14  |
| Penrose              | 3-methylpentane            | 96-14-0           | 5.71E-16  |
| Penrose              | 4,6-dinitro-2-methylphenol | 534-52-1          | 6.73E-11  |
| Penrose              | 4-aminobiphenyl            | 92-67-1           | 5.11E-10  |
| Penrose              | 4-ethyltoluene             | 622-96-8          | 1.69E-13  |
| Penrose              | Acenaphthene               | 83-32-9           | 1.52E-11  |
| Penrose              | acenaphthylene             | 208-96-8          | 5.90E-11  |
| Penrose              | Acetaldehyde               | 75-07-0           | 7.53E-14  |
| Penrose              | Acetone                    | 67-64-1           | 5.56E-13  |
| Penrose              | Acetonitrile               | 75-05-8           | 2.83E-14  |
| Penrose              | Acetophenone               | 98-86-2           | 1.66E-12  |
| Penrose              | Acrylonitrile              | 107-13-1          | 3.36E-14  |
| Penrose              | aluminum                   | 7429-90-5         | 1.82E-07  |
| Penrose              | Aniline                    | 62-53-3           | 4.42E-11  |
| Penrose              | Anthracene                 | 120-12-7          | 1.64E-11  |
| Penrose              | Antimony                   | 7440-36-0         | 8.93E-13  |
| Penrose              | Arsenic                    | 7440-38-2         | 1.56E-15  |
| Penrose              | Barium                     | 7440-39-3         | 5.44E-10  |
| Penrose              | Benzaldehyde               | 100-52-7          | 1.01E-10  |
| Penrose              | Benzene                    | 71-43-2           | 3.86E-14  |
| Penrose              | Benzo(a)anthracene         | 56-55-3           | 2.79E-10  |
| Penrose              | Benzo(a)pyrene             | 50-32-8           | 3.45E-11  |
| Penrose              | Benzo(b)fluoranthene       | 205-99-2          | 2.14E-10  |
| Penrose              | benzo(g,h,i)perylene       | 191-24-2          | 4.18E-09  |
| Penrose              | Benzo(k)fluoranthene       | 207-08-9          | 2.05E-09  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Penrose              | Benzoic acid                               | 65-85-0           | 4.83E-11  |
| Penrose              | Benzyl alcohol                             | 100-51-6          | 1.51E-12  |
| Penrose              | Benzyl chloride                            | 100-44-7          | 4.28E-14  |
| Penrose              | Bis(2-chlorethyl)ether                     | 111-44-4          | 6.77E-13  |
| Penrose              | bis(2-chloroethoxy)methane                 | 111-91-1          | 4.09E-13  |
| Penrose              | Bromodichloromethane                       | 75-27-4           | 6.76E-14  |
| Penrose              | Bromoform (Tribromomethane)                | 75-25-2           | 2.23E-17  |
| Penrose              | Bromophenyl-phenylether, 4-                | 101-55-3          | 9.77E-10  |
| Penrose              | Butylbenzylphthalate                       | 85-68-7           | 3.33E-13  |
| Penrose              | Cadmium                                    | 7440-43-9         | 8.56E-15  |
| Penrose              | carbazole                                  | 86-74-8           | 2.44E-10  |
| Penrose              | Carbon disulfide                           | 75-15-0           | 3.78E-16  |
| Penrose              | Carbon tetrachloride                       | 56-23-5           | 2.96E-15  |
| Penrose              | Chlorine                                   | 7782-50-5         | 1.21E-08  |
| Penrose              | Chloro-3-methylphenol, 4-                  | 59-50-7           | 5.83E-11  |
| Penrose              | chloroacetonitrile                         | 107-14-2          | 3.02E-14  |
| Penrose              | Chloroaniline, p-                          | 106-47-8          | 9.05E-13  |
| Penrose              | Chlorobenzene                              | 108-90-7          | 5.38E-15  |
| Penrose              | Chloroethane                               | 75-00-3           | 7.80E-18  |
| Penrose              | Chloroform (Trichloromethane)              | 67-66-3           | 1.68E-15  |
| Penrose              | Chloronaphthalene,2-                       | 91-58-7           | 3.14E-11  |
| Penrose              | Chlorophenol, 2-                           | 95-57-8           | 1.77E-11  |
| Penrose              | Chromium                                   | 7440-47-3         | 7.14E-09  |
| Penrose              | Chromium, hexavalent                       | 18540-29-9        | 5.89E-09  |
| Penrose              | Chrysene                                   | 218-01-9          | 3.54E-10  |
| Penrose              | cis-1,3-dichloropropene                    | 10062-01-5        | 3.21E-15  |
| Penrose              | cis-2-butene                               | 590-18-1          | 4.85E-17  |
| Penrose              | cobalt                                     | 7440-48-4         | 5.47E-13  |
| Penrose              | copper                                     | 7440-50-8         | 1.14E-10  |
| Penrose              | Cresol, m-                                 | 108-39-4          | 4.09E-13  |
| Penrose              | Cresol, o-                                 | 95-48-7           | 4.47E-12  |
| Penrose              | Cresol, p-                                 | 106-44-5          | 2.35E-14  |
| Penrose              | crotonaldehyde                             | 4170-30-3         | 1.56E-13  |
| Penrose              | Cumene (Isopropylbenzene)                  | 98-82-8           | 4.25E-15  |
| Penrose              | cyclohexane                                | 110-82-7          | 2.84E-16  |
| Penrose              | Dibenz(a,h)anthracene                      | 53-70-3           | 1.00E-10  |
| Penrose              | dibenzofuran                               | 132-64-9          | 9.03E-12  |
| Penrose              | Dibromochloromethane                       | 124-48-1          | 8.61E-13  |
| Penrose              | Dichlorobenzene, 1,2-                      | 95-50-1           | 2.13E-14  |
| Penrose              | Dichlorobenzene, 1,3-                      | 541-73-1          | 3.26E-14  |
| Penrose              | Dichlorobenzene,1,4-                       | 106-46-7          | 5.56E-15  |
| Penrose              | Dichloroethane 1,1-                        | 75-34-3           | 6.10E-17  |
| Penrose              | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 2.45E-16  |
| Penrose              | Dichloroethylene 1,1-                      | 75-35-4           | 2.91E-17  |
| Penrose              | Dichloroethylene, cis-1,2-                 | 156-59-2          | 2.71E-15  |
| Penrose              | Dichloroethylene-1,2 (trans)               | 156-60-5          | 1.44E-16  |
| Penrose              | Dichlorophenol, 2,4-                       | 120-83-2          | 2.53E-12  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Penrose              | Dichloropropane, 1,2-                         | 78-87-5           | 2.01E-16  |
| Penrose              | Diethyl phthalate                             | 84-66-2           | 1.18E-11  |
| Penrose              | Dimethyl phthalate                            | 131-11-3          | 6.78E-13  |
| Penrose              | Dimethylphenol, 2,4-                          | 105-67-9          | 1.32E-11  |
| Penrose              | Di-n-butyl phthalate                          | 84-74-2           | 7.07E-11  |
| Penrose              | Dinitrobenzene, 1,3-                          | 99-65-0           | 1.16E-11  |
| Penrose              | Dinitrophenol, 2,4-                           | 51-28-5           | 2.60E-13  |
| Penrose              | Dinitrotoluene, 2,4-                          | 121-14-2          | 3.34E-12  |
| Penrose              | Dinitrotoluene, 2,6-                          | 606-20-2          | 2.45E-12  |
| Penrose              | Di-n-octylphthalate                           | 117-84-0          | 4.10E-11  |
| Penrose              | Dioxane, 1,4-                                 | 123-91-1          | 7.61E-15  |
| Penrose              | diphenylamine                                 | 122-39-4          | 7.15E-11  |
| Penrose              | Ethyl methacrylate                            | 97-63-2           | 1.73E-12  |
| Penrose              | Ethylbenzene                                  | 100-41-4          | 1.79E-14  |
| Penrose              | Ethylene Dibromide                            | 106-93-4          | 1.24E-13  |
| Penrose              | ethylether                                    | 60-29-7           | 1.46E-15  |
| Penrose              | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 2.64E-11  |
| Penrose              | Fluoranthene                                  | 206-44-0          | 3.27E-10  |
| Penrose              | Fluorene                                      | 86-73-7           | 1.07E-11  |
| Penrose              | Formaldehyde                                  | 50-00-0           | 1.29E-11  |
| Penrose              | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 1.58E-13  |
| Penrose              | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 3.96E-12  |
| Penrose              | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 9.93E-13  |
| Penrose              | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 1.88E-14  |
| Penrose              | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 4.73E-14  |
| Penrose              | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 3.28E-14  |
| Penrose              | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 1.36E-12  |
| Penrose              | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 8.38E-13  |
| Penrose              | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 6.10E-13  |
| Penrose              | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 9.92E-13  |
| Penrose              | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 1.24E-11  |
| Penrose              | Hexachlorobenzene                             | 118-74-1          | 9.55E-12  |
| Penrose              | Hexachlorocyclopentadiene                     | 77-47-4           | 3.60E-11  |
| Penrose              | Hexachloroethane (Perchloroethane)            | 67-72-1           | 1.17E-12  |
| Penrose              | hexachloropropene                             | 1888-71-7         | 1.32E-13  |
| Penrose              | hexane  | 110-54-3          | 1.81E-15  |
| Penrose              | Hydrogen chloride                             | 7647-01-0         | 1.83E-08  |
| Penrose              | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 3.48E-10  |
| Penrose              | Isophorone                                    | 78-59-1           | 5.13E-13  |
| Penrose              | Lead  | 7439-92-1         | 1.11E-10  |
| Penrose              | manganese                                     | 7439-96-5         | 4.28E-10  |
| Penrose              | Mercuric chloride                             | 7487-94-7         | 4.31E-11  |
| Penrose              | Methacrylonitrile                             | 126-98-7          | 8.40E-13  |
| Penrose              | Methyl bromide (Bromomethane)                 | 74-83-9           | 3.14E-17  |
| Penrose              | Methyl chloride (Chloromethane)               | 74-87-3           | 9.99E-16  |
| Penrose              | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 3.09E-13  |
| Penrose              | Methyl isobutyl ketone                        | 108-10-1          | 1.96E-13  |

| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Penrose              | Methyl mercury                 | 22967-92-6        | 8.63E-13  |
| Penrose              | methyl tert-butyl ether        | 1634-04-4         | 2.28E-14  |
| Penrose              | methylcyclohexane              | 108-87-2          | 4.39E-15  |
| Penrose              | Methylene chloride             | 75-09-2           | 3.42E-14  |
| Penrose              | methymethacrylate              | 80-62-6           | 1.11E-14  |
| Penrose              | Naphthalene                    | 91-20-3           | 6.20E-10  |
| Penrose              | Nickel                         | 7440-02-0         | 1.14E-11  |
| Penrose              | Nitroaniline, 2-               | 88-74-4           | 3.18E-12  |
| Penrose              | Nitroaniline, 3-               | 99-09-2           | 5.46E-12  |
| Penrose              | Nitroaniline, 4-               | 100-01-6          | 6.19E-12  |
| Penrose              | Nitrobenzene                   | 98-95-3           | 4.89E-13  |
| Penrose              | Nitrophenol, 2-                | 88-75-5           | 1.45E-11  |
| Penrose              | Nitrophenol, 4-                | 100-02-7          | 1.15E-12  |
| Penrose              | Nitroso-di-n-butylamine, n-    | 924-16-3          | 1.16E-12  |
| Penrose              | Nitrosodiphenylamine, N-       | 86-30-6           | 9.04E-13  |
| Penrose              | Nitrosodipropylamine, n-       | 621-64-7          | 1.39E-12  |
| Penrose              | n-nitrosodiethylamine          | 55-18-5           | 7.15E-14  |
| Penrose              | n-nitrosodimethylamine         | 62-75-9           | 1.23E-14  |
| Penrose              | n-nitrosomethylethylamine      | 10595-95-6        | 8.00E-14  |
| Penrose              | n-nitrosomorpholine            | 59-89-2           | 6.48E-13  |
| Penrose              | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 2.02E-13  |
| Penrose              | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 2.89E-12  |
| Penrose              | o-tolualdehyde                 | 529-20-4          | 6.64E-11  |
| Penrose              | p-dimethylaminoazobenzene      | 60-11-7           | 2.88E-09  |
| Penrose              | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 3.31E-14  |
| Penrose              | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 3.48E-13  |
| Penrose              | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 7.23E-13  |
| Penrose              | Pentachlorobenzene             | 608-93-5          | 1.52E-11  |
| Penrose              | pentachloroethane              | 76-01-7           | 1.29E-13  |
| Penrose              | Pentachloronitrobenzene (PCNB) | 82-68-8           | 9.18E-11  |
| Penrose              | Pentachlorophenol              | 87-86-5           | 2.32E-10  |
| Penrose              | perchlorate                    | 14797-73-0        | 2.01E-12  |
| Penrose              | Phenanthrene                   | 85-01-8           | 1.75E-10  |
| Penrose              | Phenol                         | 108-95-2          | 7.48E-12  |
| Penrose              | phosphorous                    | 7723-14-0         | 5.01E-10  |
| Penrose              | propanal                       | 123-38-6          | 3.31E-13  |
| Penrose              | propylbenzene                  | 103-65-1          | 8.18E-14  |
| Penrose              | propylene                      | 115-07-1          | 7.72E-16  |
| Penrose              | Pyrene                         | 129-00-0          | 1.19E-09  |
| Penrose              | Pyridine                       | 110-86-1          | 5.35E-14  |
| Penrose              | Selenium                       | 7782-49-2         | 6.25E-14  |
| Penrose              | Silver                         | 7440-22-4         | 3.44E-10  |
| Penrose              | Styrene                        | 100-42-5          | 9.70E-13  |
| Penrose              | TetraCDD, 2,3,7,8-             | 1746-01-6         | 5.95E-15  |
| Penrose              | TetraCDF, 2,3,7,8-             | 51207-31-9        | 8.87E-14  |
| Penrose              | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 2.60E-12  |
| Penrose              | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 4.35E-15  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Penrose              | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 7.90E-16  |
| Penrose              | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 1.08E-11  |
| Penrose              | Tetrahydrofuran                         | 109-99-9          | 5.14E-15  |
| Penrose              | Toluene                                 | 108-88-3          | 2.32E-14  |
| Penrose              | Toluidine, o-                           | 95-53-4           | 4.26E-12  |
| Penrose              | trans-1,3-dichloropropene               | 10061-02-6        | 5.11E-15  |
| Penrose              | trans-2-butene                          | 624-64-6          | 1.82E-16  |
| Penrose              | Trichlorobenzene, 1,2,4-                | 120-82-1          | 7.27E-14  |
| Penrose              | Trichloroethane, 1,1,1-                 | 71-55-6           | 5.92E-17  |
| Penrose              | Trichloroethane, 1,1,2-                 | 79-00-5           | 1.36E-15  |
| Penrose              | Trichloroethylene                       | 79-01-6           | 5.19E-16  |
| Penrose              | Trichlorophenol, 2,4,5-                 | 95-95-4           | 7.34E-11  |
| Penrose              | Trichlorophenol, 2,4,6-                 | 88-06-2           | 6.39E-12  |
| Penrose              | Trimethylbenzene, 1,3,5-                | 108-67-8          | 2.91E-13  |
| Penrose              | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.01E-11  |
| Penrose              | undecane                                | 1120-21-4         | 5.88E-13  |
| Penrose              | Vinyl Chloride                          | 75-01-4           | 1.30E-16  |
| Penrose              | Xylene, m-                              | 108-38-3          | 2.30E-14  |
| Penrose              | Xylene, o-                              | 95-47-6           | 2.77E-14  |
| Penrose              | Xylene, p-                              | 106-42-3          | 1.91E-14  |
| Penrose              | Zinc                                    | 7440-66-6         | 1.05E-11  |



| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Thatcher             | 1,2,3-Trimethylbenzene     | 526-73-8          | 1.47E-14  |
| Thatcher             | 1,2,4-Trimethylbenzene     | 95-63-6           | 7.54E-13  |
| Thatcher             | 1,4-Diethylbenzene         | 105-05-5          | 7.75E-14  |
| Thatcher             | 1-butene                   | 106-98-9          | 6.98E-16  |
| Thatcher             | 1-chloronaphthalene        | 90-13-1           | 1.04E-13  |
| Thatcher             | 1-Naphthylamine            | 134-32-7          | 7.36E-11  |
| Thatcher             | 2,2,4-trimethylpentane     | 540-84-1          | 8.57E-17  |
| Thatcher             | 2,2-dimethylbutane         | 75-83-2           | 1.50E-16  |
| Thatcher             | 2,3,4-trimethylpentane     | 565-75-3          | 1.37E-15  |
| Thatcher             | 2,3-dimethylbutane         | 79-29-8           | 2.31E-16  |
| Thatcher             | 2,3-dimethylpentane        | 565-59-3          | 1.06E-15  |
| Thatcher             | 2,4-dimethylpentane        | 108-08-7          | 3.51E-16  |
| Thatcher             | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 1.66E-10  |
| Thatcher             | 2,6-dichlorophenol         | 87-65-0           | 6.60E-12  |
| Thatcher             | 2-ethyltoluene             | 611-14-3          | 1.67E-14  |
| Thatcher             | 2-hexanone                 | 591-78-6          | 5.57E-14  |
| Thatcher             | 2-methylhexane             | 591-76-4          | 4.10E-14  |
| Thatcher             | 2-methylnaphthalene        | 91-57-6           | 2.49E-11  |
| Thatcher             | 2-methylpentane            | 107-83-5          | 3.41E-16  |
| Thatcher             | 2-naphthylamine            | 91-59-8           | 5.39E-09  |
| Thatcher             | 3-ethyltoluene             | 620-14-4          | 3.22E-10  |
| Thatcher             | 3-methylheptane            | 589-81-1          | 3.72E-16  |
| Thatcher             | 3-methylhexane             | 589-34-4          | 2.34E-14  |
| Thatcher             | 3-methylpentane            | 96-14-0           | 6.35E-16  |
| Thatcher             | 4,6-dinitro-2-methylphenol | 534-52-1          | 7.37E-11  |
| Thatcher             | 4-aminobiphenyl            | 92-67-1           | 5.43E-10  |
| Thatcher             | 4-ethyltoluene             | 622-96-8          | 1.88E-13  |
| Thatcher             | Acenaphthene               | 83-32-9           | 1.70E-11  |
| Thatcher             | acenaphthylene             | 208-96-8          | 6.55E-11  |
| Thatcher             | Acetaldehyde               | 75-07-0           | 8.38E-14  |
| Thatcher             | Acetone                    | 67-64-1           | 6.18E-13  |
| Thatcher             | Acetonitrile               | 75-05-8           | 3.15E-14  |
| Thatcher             | Acetophenone               | 98-86-2           | 1.85E-12  |
| Thatcher             | Acrylonitrile              | 107-13-1          | 3.74E-14  |
| Thatcher             | aluminum                   | 7429-90-5         | 1.36E-07  |
| Thatcher             | Aniline                    | 62-53-3           | 4.91E-11  |
| Thatcher             | Anthracene                 | 120-12-7          | 1.82E-11  |
| Thatcher             | Antimony                   | 7440-36-0         | 9.94E-13  |
| Thatcher             | Arsenic                    | 7440-38-2         | 1.17E-15  |
| Thatcher             | Barium                     | 7440-39-3         | 4.07E-10  |
| Thatcher             | Benzaldehyde               | 100-52-7          | 1.12E-10  |
| Thatcher             | Benzene                    | 71-43-2           | 4.29E-14  |
| Thatcher             | Benzo(a)anthracene         | 56-55-3           | 2.25E-10  |
| Thatcher             | Benzo(a)pyrene             | 50-32-8           | 2.65E-11  |
| Thatcher             | Benzo(b)fluoranthene       | 205-99-2          | 2.28E-10  |
| Thatcher             | benzo(g,h,i)perylene       | 191-24-2          | 3.12E-09  |
| Thatcher             | Benzo(k)fluoranthene       | 207-08-9          | 1.57E-09  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Thatcher             | Benzoic acid                               | 65-85-0           | 5.37E-11  |
| Thatcher             | Benzyl alcohol                             | 100-51-6          | 1.68E-12  |
| Thatcher             | Benzyl chloride                            | 100-44-7          | 4.76E-14  |
| Thatcher             | Bis(2-chlorethyl)ether                     | 111-44-4          | 7.53E-13  |
| Thatcher             | bis(2-chloroethoxy)methane                 | 111-91-1          | 4.55E-13  |
| Thatcher             | Bromodichloromethane                       | 75-27-4           | 7.52E-14  |
| Thatcher             | Bromoform (Tribromomethane)                | 75-25-2           | 2.49E-17  |
| Thatcher             | Bromophenyl-phenylether, 4-                | 101-55-3          | 1.09E-09  |
| Thatcher             | Butylbenzylphthalate                       | 85-68-7           | 3.48E-13  |
| Thatcher             | Cadmium                                    | 7440-43-9         | 6.41E-15  |
| Thatcher             | carbazole                                  | 86-74-8           | 2.71E-10  |
| Thatcher             | Carbon disulfide                           | 75-15-0           | 4.20E-16  |
| Thatcher             | Carbon tetrachloride                       | 56-23-5           | 3.30E-15  |
| Thatcher             | Chlorine                                   | 7782-50-5         | 1.35E-08  |
| Thatcher             | Chloro-3-methylphenol, 4-                  | 59-50-7           | 6.49E-11  |
| Thatcher             | chloroacetonitrile                         | 107-14-2          | 3.35E-14  |
| Thatcher             | Chloroaniline, p-                          | 106-47-8          | 1.01E-12  |
| Thatcher             | Chlorobenzene                              | 108-90-7          | 5.98E-15  |
| Thatcher             | Chloroethane                               | 75-00-3           | 8.68E-18  |
| Thatcher             | Chloroform (Trichloromethane)              | 67-66-3           | 1.86E-15  |
| Thatcher             | Chloronaphthalene,2-                       | 91-58-7           | 3.50E-11  |
| Thatcher             | Chlorophenol, 2-                           | 95-57-8           | 1.97E-11  |
| Thatcher             | Chromium                                   | 7440-47-3         | 5.34E-09  |
| Thatcher             | Chromium, hexavalent                       | 18540-29-9        | 4.40E-09  |
| Thatcher             | Chrysene                                   | 218-01-9          | 3.16E-10  |
| Thatcher             | cis-1,3-dichloropropene                    | 10062-01-5        | 3.57E-15  |
| Thatcher             | cis-2-butene                               | 590-18-1          | 5.39E-17  |
| Thatcher             | cobalt                                     | 7440-48-4         | 4.09E-13  |
| Thatcher             | copper                                     | 7440-50-8         | 8.51E-11  |
| Thatcher             | Cresol, m-                                 | 108-39-4          | 4.55E-13  |
| Thatcher             | Cresol, o-                                 | 95-48-7           | 4.97E-12  |
| Thatcher             | Cresol, p-                                 | 106-44-5          | 2.61E-14  |
| Thatcher             | crotonaldehyde                             | 4170-30-3         | 1.74E-13  |
| Thatcher             | Cumene (Isopropylbenzene)                  | 98-82-8           | 4.73E-15  |
| Thatcher             | cyclohexane                                | 110-82-7          | 3.15E-16  |
| Thatcher             | Dibenz(a,h)anthracene                      | 53-70-3           | 7.39E-11  |
| Thatcher             | dibenzofuran                               | 132-64-9          | 1.00E-11  |
| Thatcher             | Dibromochloromethane                       | 124-48-1          | 9.57E-13  |
| Thatcher             | Dichlorobenzene, 1,2-                      | 95-50-1           | 2.37E-14  |
| Thatcher             | Dichlorobenzene, 1,3-                      | 541-73-1          | 3.63E-14  |
| Thatcher             | Dichlorobenzene,1,4-                       | 106-46-7          | 6.18E-15  |
| Thatcher             | Dichloroethane 1,1-                        | 75-34-3           | 6.79E-17  |
| Thatcher             | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 2.72E-16  |
| Thatcher             | Dichloroethylene 1,1-                      | 75-35-4           | 3.24E-17  |
| Thatcher             | Dichloroethylene, cis-1,2-                 | 156-59-2          | 3.01E-15  |
| Thatcher             | Dichloroethylene-1,2 (trans)               | 156-60-5          | 1.60E-16  |
| Thatcher             | Dichlorophenol, 2,4-                       | 120-83-2          | 2.81E-12  |

| <i>Receptor Name</i> | <i>COPC Name</i>                              | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Thatcher             | Dichloropropane, 1,2-                         | 78-87-5           | 2.23E-16  |
| Thatcher             | Diethyl phthalate                             | 84-66-2           | 1.31E-11  |
| Thatcher             | Dimethyl phthalate                            | 131-11-3          | 7.55E-13  |
| Thatcher             | Dimethylphenol, 2,4-                          | 105-67-9          | 1.46E-11  |
| Thatcher             | Di-n-butyl phthalate                          | 84-74-2           | 7.80E-11  |
| Thatcher             | Dinitrobenzene, 1,3-                          | 99-65-0           | 1.30E-11  |
| Thatcher             | Dinitrophenol, 2,4-                           | 51-28-5           | 2.90E-13  |
| Thatcher             | Dinitrotoluene, 2,4-                          | 121-14-2          | 3.71E-12  |
| Thatcher             | Dinitrotoluene, 2,6-                          | 606-20-2          | 2.73E-12  |
| Thatcher             | Di-n-octylphthalate                           | 117-84-0          | 3.92E-11  |
| Thatcher             | Dioxane, 1,4-                                 | 123-91-1          | 8.46E-15  |
| Thatcher             | diphenylamine                                 | 122-39-4          | 7.95E-11  |
| Thatcher             | Ethyl methacrylate                            | 97-63-2           | 1.93E-12  |
| Thatcher             | Ethylbenzene                                  | 100-41-4          | 1.99E-14  |
| Thatcher             | Ethylene Dibromide                            | 106-93-4          | 1.37E-13  |
| Thatcher             | ethylether                                    | 60-29-7           | 1.62E-15  |
| Thatcher             | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 1.97E-11  |
| Thatcher             | Fluoranthene                                  | 206-44-0          | 3.60E-10  |
| Thatcher             | Fluorene                                      | 86-73-7           | 1.19E-11  |
| Thatcher             | Formaldehyde                                  | 50-00-0           | 1.44E-11  |
| Thatcher             | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 1.16E-13  |
| Thatcher             | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 2.90E-12  |
| Thatcher             | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 7.33E-13  |
| Thatcher             | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 1.38E-14  |
| Thatcher             | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 3.48E-14  |
| Thatcher             | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 2.40E-14  |
| Thatcher             | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 1.00E-12  |
| Thatcher             | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 6.18E-13  |
| Thatcher             | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 4.52E-13  |
| Thatcher             | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 7.32E-13  |
| Thatcher             | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 1.38E-11  |
| Thatcher             | Hexachlorobenzene                             | 118-74-1          | 1.06E-11  |
| Thatcher             | Hexachlorocyclopentadiene                     | 77-47-4           | 4.01E-11  |
| Thatcher             | Hexachloroethane (Perchloroethane)            | 67-72-1           | 1.31E-12  |
| Thatcher             | hexachloropropene                             | 1888-71-7         | 1.47E-13  |
| Thatcher             | hexane  | 110-54-3          | 2.01E-15  |
| Thatcher             | Hydrogen chloride                             | 7647-01-0         | 2.04E-08  |
| Thatcher             | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 2.61E-10  |
| Thatcher             | Isophorone                                    | 78-59-1           | 5.71E-13  |
| Thatcher             | Lead  | 7439-92-1         | 8.33E-11  |
| Thatcher             | manganese                                     | 7439-96-5         | 3.20E-10  |
| Thatcher             | Mercuric chloride                             | 7487-94-7         | 3.16E-11  |
| Thatcher             | Methacrylonitrile                             | 126-98-7          | 9.34E-13  |
| Thatcher             | Methyl bromide (Bromomethane)                 | 74-83-9           | 3.49E-17  |
| Thatcher             | Methyl chloride (Chloromethane)               | 74-87-3           | 1.11E-15  |
| Thatcher             | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 3.43E-13  |
| Thatcher             | Methyl isobutyl ketone                        | 108-10-1          | 2.18E-13  |

| <i>Receptor Name</i> | <i>COPC Name</i>               | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--------------------------------|-------------------|---|
| Thatcher             | Methyl mercury                 | 22967-92-6        | 6.32E-13  |
| Thatcher             | methyl tert-butyl ether        | 1634-04-4         | 2.53E-14  |
| Thatcher             | methylcyclohexane              | 108-87-2          | 4.88E-15  |
| Thatcher             | Methylene chloride             | 75-09-2           | 3.81E-14  |
| Thatcher             | methymethacrylate              | 80-62-6           | 1.23E-14  |
| Thatcher             | Naphthalene                    | 91-20-3           | 6.89E-10  |
| Thatcher             | Nickel                         | 7440-02-0         | 8.49E-12  |
| Thatcher             | Nitroaniline, 2-               | 88-74-4           | 3.53E-12  |
| Thatcher             | Nitroaniline, 3-               | 99-09-2           | 6.07E-12  |
| Thatcher             | Nitroaniline, 4-               | 100-01-6          | 6.86E-12  |
| Thatcher             | Nitrobenzene                   | 98-95-3           | 5.44E-13  |
| Thatcher             | Nitrophenol, 2-                | 88-75-5           | 1.62E-11  |
| Thatcher             | Nitrophenol, 4-                | 100-02-7          | 1.27E-12  |
| Thatcher             | Nitroso-di-n-butylamine, n-    | 924-16-3          | 1.28E-12  |
| Thatcher             | Nitrosodiphenylamine, N-       | 86-30-6           | 1.01E-12  |
| Thatcher             | Nitrosodipropylamine, n-       | 621-64-7          | 1.54E-12  |
| Thatcher             | n-nitrosodiethylamine          | 55-18-5           | 7.95E-14  |
| Thatcher             | n-nitrosodimethylamine         | 62-75-9           | 1.37E-14  |
| Thatcher             | n-nitrosomethylethylamine      | 10595-95-6        | 8.90E-14  |
| Thatcher             | n-nitrosomorpholine            | 59-89-2           | 7.20E-13  |
| Thatcher             | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 1.48E-13  |
| Thatcher             | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 2.12E-12  |
| Thatcher             | o-tolualdehyde                 | 529-20-4          | 7.39E-11  |
| Thatcher             | p-dimethylaminoazobenzene      | 60-11-7           | 2.12E-09  |
| Thatcher             | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 2.46E-14  |
| Thatcher             | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 2.66E-13  |
| Thatcher             | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 5.48E-13  |
| Thatcher             | Pentachlorobenzene             | 608-93-5          | 1.70E-11  |
| Thatcher             | pentachloroethane              | 76-01-7           | 1.44E-13  |
| Thatcher             | Pentachloronitrobenzene (PCNB) | 82-68-8           | 1.02E-10  |
| Thatcher             | Pentachlorophenol              | 87-86-5           | 2.58E-10  |
| Thatcher             | perchlorate                    | 14797-73-0        | 1.47E-12  |
| Thatcher             | Phenanthrene                   | 85-01-8           | 1.94E-10  |
| Thatcher             | Phenol                         | 108-95-2          | 8.32E-12  |
| Thatcher             | phosphorous                    | 7723-14-0         | 3.75E-10  |
| Thatcher             | propanal                       | 123-38-6          | 3.68E-13  |
| Thatcher             | propylbenzene                  | 103-65-1          | 9.10E-14  |
| Thatcher             | propylene                      | 115-07-1          | 8.58E-16  |
| Thatcher             | Pyrene                         | 129-00-0          | 1.31E-09  |
| Thatcher             | Pyridine                       | 110-86-1          | 5.95E-14  |
| Thatcher             | Selenium                       | 7782-49-2         | 4.67E-14  |
| Thatcher             | Silver                         | 7440-22-4         | 2.57E-10  |
| Thatcher             | Styrene                        | 100-42-5          | 1.08E-12  |
| Thatcher             | TetraCDD, 2,3,7,8-             | 1746-01-6         | 5.11E-15  |
| Thatcher             | TetraCDF, 2,3,7,8-             | 51207-31-9        | 8.03E-14  |
| Thatcher             | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 2.89E-12  |
| Thatcher             | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 4.83E-15  |

| <i>Receptor Name</i> | <i>COPC Name</i>                        | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|---|-------------------|---|
| Thatcher             | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 8.79E-16  |
| Thatcher             | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 1.21E-11  |
| Thatcher             | Tetrahydrofuran                         | 109-99-9          | 5.72E-15  |
| Thatcher             | Toluene                                 | 108-88-3          | 2.58E-14  |
| Thatcher             | Toluidine, o-                           | 95-53-4           | 4.74E-12  |
| Thatcher             | trans-1,3-dichloropropene               | 10061-02-6        | 5.69E-15  |
| Thatcher             | trans-2-butene                          | 624-64-6          | 2.02E-16  |
| Thatcher             | Trichlorobenzene, 1,2,4-                | 120-82-1          | 8.09E-14  |
| Thatcher             | Trichloroethane, 1,1,1-                 | 71-55-6           | 6.58E-17  |
| Thatcher             | Trichloroethane, 1,1,2-                 | 79-00-5           | 1.51E-15  |
| Thatcher             | Trichloroethylene                       | 79-01-6           | 5.77E-16  |
| Thatcher             | Trichlorophenol, 2,4,5-                 | 95-95-4           | 8.16E-11  |
| Thatcher             | Trichlorophenol, 2,4,6-                 | 88-06-2           | 7.11E-12  |
| Thatcher             | Trimethylbenzene, 1,3,5-                | 108-67-8          | 3.24E-13  |
| Thatcher             | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 1.11E-11  |
| Thatcher             | undecane                                | 1120-21-4         | 6.54E-13  |
| Thatcher             | Vinyl Chloride                          | 75-01-4           | 1.44E-16  |
| Thatcher             | Xylene, m-                              | 108-38-3          | 2.56E-14  |
| Thatcher             | Xylene, o-                              | 95-47-6           | 3.08E-14  |
| Thatcher             | Xylene, p-                              | 106-42-3          | 2.13E-14  |
| Thatcher             | Zinc                                    | 7440-66-6         | 7.83E-12  |

| <i>Receptor Name</i> | <i>COPC Name</i>           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|----------------------------|-------------------|---|
| Maxoffsite           | 1,2,3-Trimethylbenzene     | 526-73-8          | 3.85E-13  |
| Maxoffsite           | 1,2,4-Trimethylbenzene     | 95-63-6           | 1.98E-11  |
| Maxoffsite           | 1,4-Diethylbenzene         | 105-05-5          | 2.03E-12  |
| Maxoffsite           | 1-butene                   | 106-98-9          | 1.83E-14  |
| Maxoffsite           | 1-chloronaphthalene        | 90-13-1           | 2.73E-12  |
| Maxoffsite           | 1-Naphthylamine            | 134-32-7          | 1.93E-09  |
| Maxoffsite           | 2,2,4-trimethylpentane     | 540-84-1          | 2.25E-15  |
| Maxoffsite           | 2,2-dimethylbutane         | 75-83-2           | 3.94E-15  |
| Maxoffsite           | 2,3,4-trimethylpentane     | 565-75-3          | 3.58E-14  |
| Maxoffsite           | 2,3-dimethylbutane         | 79-29-8           | 6.04E-15  |
| Maxoffsite           | 2,3-dimethylpentane        | 565-59-3          | 2.77E-14  |
| Maxoffsite           | 2,4-dimethylpentane        | 108-08-7          | 9.21E-15  |
| Maxoffsite           | 2,5-dimethylbenzaldehyde   | 5779-94-2         | 4.34E-09  |
| Maxoffsite           | 2,6-dichlorophenol         | 87-65-0           | 1.73E-10  |
| Maxoffsite           | 2-ethyltoluene             | 611-14-3          | 4.37E-13  |
| Maxoffsite           | 2-hexanone                 | 591-78-6          | 1.46E-12  |
| Maxoffsite           | 2-methylhexane             | 591-76-4          | 1.07E-12  |
| Maxoffsite           | 2-methylnaphthalene        | 91-57-6           | 6.52E-10  |
| Maxoffsite           | 2-methylpentane            | 107-83-5          | 8.93E-15  |
| Maxoffsite           | 2-naphthylamine            | 91-59-8           | 1.38E-07  |
| Maxoffsite           | 3-ethyltoluene             | 620-14-4          | 8.44E-09  |
| Maxoffsite           | 3-methylheptane            | 589-81-1          | 9.75E-15  |
| Maxoffsite           | 3-methylhexane             | 589-34-4          | 6.13E-13  |
| Maxoffsite           | 3-methylpentane            | 96-14-0           | 1.66E-14  |
| Maxoffsite           | 4,6-dinitro-2-methylphenol | 534-52-1          | 1.93E-09  |
| Maxoffsite           | 4-aminobiphenyl            | 92-67-1           | 1.42E-08  |
| Maxoffsite           | 4-ethyltoluene             | 622-96-8          | 4.93E-12  |
| Maxoffsite           | Acenaphthene               | 83-32-9           | 4.45E-10  |
| Maxoffsite           | acenaphthylene             | 208-96-8          | 1.72E-09  |
| Maxoffsite           | Acetaldehyde               | 75-07-0           | 2.20E-12  |
| Maxoffsite           | Acetone                    | 67-64-1           | 1.62E-11  |
| Maxoffsite           | Acetonitrile               | 75-05-8           | 8.25E-13  |
| Maxoffsite           | Acetophenone               | 98-86-2           | 4.85E-11  |
| Maxoffsite           | Acrylonitrile              | 107-13-1          | 9.79E-13  |
| Maxoffsite           | aluminum                   | 7429-90-5         | 3.58E-06  |
| Maxoffsite           | Aniline                    | 62-53-3           | 1.29E-09  |
| Maxoffsite           | Anthracene                 | 120-12-7          | 4.78E-10  |
| Maxoffsite           | Antimony                   | 7440-36-0         | 2.61E-11  |
| Maxoffsite           | Arsenic                    | 7440-38-2         | 3.07E-14  |
| Maxoffsite           | Barium                     | 7440-39-3         | 1.07E-08  |
| Maxoffsite           | Benzaldehyde               | 100-52-7          | 2.95E-09  |
| Maxoffsite           | Benzene                    | 71-43-2           | 1.13E-12  |
| Maxoffsite           | Benzo(a)anthracene         | 56-55-3           | 5.67E-09  |
| Maxoffsite           | Benzo(a)pyrene             | 50-32-8           | 6.65E-10  |
| Maxoffsite           | Benzo(b)fluoranthene       | 205-99-2          | 5.95E-09  |
| Maxoffsite           | benzo(g,h,i)perylene       | 191-24-2          | 8.20E-08  |
| Maxoffsite           | Benzo(k)fluoranthene       | 207-08-9          | 3.93E-08  |

| <i>Receptor Name</i> | <i>COPC Name</i>                           | <i>CAS Number</i> | <i>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</i> |
|----------------------|--|-------------------|---|
| Maxoffsite           | Benzoic acid                               | 65-85-0           | 1.41E-09  |
| Maxoffsite           | Benzyl alcohol                             | 100-51-6          | 4.41E-11  |
| Maxoffsite           | Benzyl chloride                            | 100-44-7          | 1.25E-12  |
| Maxoffsite           | Bis(2-chlorethyl)ether                     | 111-44-4          | 1.97E-11  |
| Maxoffsite           | bis(2-chloroethoxy)methane                 | 111-91-1          | 1.19E-11  |
| Maxoffsite           | Bromodichloromethane                       | 75-27-4           | 1.97E-12  |
| Maxoffsite           | Bromoform (Tribromomethane)                | 75-25-2           | 6.52E-16  |
| Maxoffsite           | Bromophenyl-phenylether, 4-                | 101-55-3          | 2.85E-08  |
| Maxoffsite           | Butylbenzylphthalate                       | 85-68-7           | 9.06E-12  |
| Maxoffsite           | Cadmium                                    | 7440-43-9         | 1.68E-13  |
| Maxoffsite           | carbazole                                  | 86-74-8           | 7.10E-09  |
| Maxoffsite           | Carbon disulfide                           | 75-15-0           | 1.10E-14  |
| Maxoffsite           | Carbon tetrachloride                       | 56-23-5           | 8.65E-14  |
| Maxoffsite           | Chlorine                                   | 7782-50-5         | 3.54E-07  |
| Maxoffsite           | Chloro-3-methylphenol, 4-                  | 59-50-7           | 1.70E-09  |
| Maxoffsite           | chloroacetonitrile                         | 107-14-2          | 8.80E-13  |
| Maxoffsite           | Chloroaniline, p-                          | 106-47-8          | 2.64E-11  |
| Maxoffsite           | Chlorobenzene                              | 108-90-7          | 1.57E-13  |
| Maxoffsite           | Chloroethane                               | 75-00-3           | 2.28E-16  |
| Maxoffsite           | Chloroform (Trichloromethane)              | 67-66-3           | 4.89E-14  |
| Maxoffsite           | Chloronaphthalene,2-                       | 91-58-7           | 9.17E-10  |
| Maxoffsite           | Chlorophenol, 2-                           | 95-57-8           | 5.16E-10  |
| Maxoffsite           | Chromium                                   | 7440-47-3         | 1.40E-07  |
| Maxoffsite           | Chromium, hexavalent                       | 18540-29-9        | 1.16E-07  |
| Maxoffsite           | Chrysene                                   | 218-01-9          | 8.08E-09  |
| Maxoffsite           | cis-1,3-dichloropropene                    | 10062-01-5        | 9.37E-14  |
| Maxoffsite           | cis-2-butene                               | 590-18-1          | 1.41E-15  |
| Maxoffsite           | cobalt                                     | 7440-48-4         | 1.07E-11  |
| Maxoffsite           | copper                                     | 7440-50-8         | 2.24E-09  |
| Maxoffsite           | Cresol, m-                                 | 108-39-4          | 1.19E-11  |
| Maxoffsite           | Cresol, o-                                 | 95-48-7           | 1.30E-10  |
| Maxoffsite           | Cresol, p-                                 | 106-44-5          | 6.84E-13  |
| Maxoffsite           | crotonaldehyde                             | 4170-30-3         | 4.55E-12  |
| Maxoffsite           | Cumene (Isopropylbenzene)                  | 98-82-8           | 1.24E-13  |
| Maxoffsite           | cyclohexane                                | 110-82-7          | 8.27E-15  |
| Maxoffsite           | Dibenz(a,h)anthracene                      | 53-70-3           | 1.84E-09  |
| Maxoffsite           | dibenzofuran                               | 132-64-9          | 2.63E-10  |
| Maxoffsite           | Dibromochloromethane                       | 124-48-1          | 2.51E-11  |
| Maxoffsite           | Dichlorobenzene, 1,2-                      | 95-50-1           | 6.22E-13  |
| Maxoffsite           | Dichlorobenzene, 1,3-                      | 541-73-1          | 9.51E-13  |
| Maxoffsite           | Dichlorobenzene,1,4-                       | 106-46-7          | 1.62E-13  |
| Maxoffsite           | Dichloroethane 1,1-                        | 75-34-3           | 1.78E-15  |
| Maxoffsite           | Dichloroethane, 1,2- (Ethylene Dichloride) | 107-06-2          | 7.14E-15  |
| Maxoffsite           | Dichloroethylene 1,1-                      | 75-35-4           | 8.50E-16  |
| Maxoffsite           | Dichloroethylene, cis-1,2-                 | 156-59-2          | 7.89E-14  |
| Maxoffsite           | Dichloroethylene-1,2 (trans)               | 156-60-5          | 4.20E-15  |
| Maxoffsite           | Dichlorophenol, 2,4-                       | 120-83-2          | 7.37E-11  |

| <b>Receptor Name</b> | <b>COPC Name</b>                              | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Maxoffsite           | Dichloropropane, 1,2-                         | 78-87-5           | 5.86E-15  |
| Maxoffsite           | Diethyl phthalate                             | 84-66-2           | 3.43E-10  |
| Maxoffsite           | Dimethyl phthalate                            | 131-11-3          | 1.98E-11  |
| Maxoffsite           | Dimethylphenol, 2,4-                          | 105-67-9          | 3.84E-10  |
| Maxoffsite           | Di-n-butyl phthalate                          | 84-74-2           | 2.04E-09  |
| Maxoffsite           | Dinitrobenzene, 1,3-                          | 99-65-0           | 3.40E-10  |
| Maxoffsite           | Dinitrophenol, 2,4-                           | 51-28-5           | 7.60E-12  |
| Maxoffsite           | Dinitrotoluene, 2,4-                          | 121-14-2          | 9.74E-11  |
| Maxoffsite           | Dinitrotoluene, 2,6-                          | 606-20-2          | 7.16E-11  |
| Maxoffsite           | Di-n-octylphthalate                           | 117-84-0          | 1.01E-09  |
| Maxoffsite           | Dioxane, 1,4-                                 | 123-91-1          | 2.22E-13  |
| Maxoffsite           | diphenylamine                                 | 122-39-4          | 2.08E-09  |
| Maxoffsite           | Ethyl methacrylate                            | 97-63-2           | 5.05E-11  |
| Maxoffsite           | Ethylbenzene                                  | 100-41-4          | 5.22E-13  |
| Maxoffsite           | Ethylene Dibromide                            | 106-93-4          | 3.60E-12  |
| Maxoffsite           | ethylether                                    | 60-29-7           | 4.26E-14  |
| Maxoffsite           | Ethylhexyl phthalate, bis-2-                  | 117-81-7          | 4.92E-10  |
| Maxoffsite           | Fluoranthene                                  | 206-44-0          | 9.44E-09  |
| Maxoffsite           | Fluorene                                      | 86-73-7           | 3.13E-10  |
| Maxoffsite           | Formaldehyde                                  | 50-00-0           | 3.78E-10  |
| Maxoffsite           | HeptaCDD, 1,2,3,4,6,7,8-                      | 35822-46-9        | 2.88E-12  |
| Maxoffsite           | HeptaCDF, 1,2,3,4,6,7,8-                      | 67562-39-4        | 7.22E-11  |
| Maxoffsite           | HeptaCDF, 1,2,3,4,7,8,9-                      | 55673-89-7        | 1.83E-11  |
| Maxoffsite           | HexaCDD, 1,2,3,4,7,8-                         | 39227-28-6        | 3.43E-13  |
| Maxoffsite           | HexaCDD, 1,2,3,6,7,8-                         | 57653-85-7        | 8.66E-13  |
| Maxoffsite           | HexaCDD, 1,2,3,7,8,9-                         | 19408-74-3        | 5.98E-13  |
| Maxoffsite           | HexaCDF, 1,2,3,4,7,8-                         | 70648-26-9        | 2.50E-11  |
| Maxoffsite           | HexaCDF, 1,2,3,6,7,8-                         | 57117-44-9        | 1.54E-11  |
| Maxoffsite           | HexaCDF, 1,2,3,7,8,9-                         | 72918-21-9        | 1.13E-11  |
| Maxoffsite           | HexaCDF, 2,3,4,6,7,8-                         | 60851-34-5        | 1.82E-11  |
| Maxoffsite           | Hexachloro-1,3-butadiene (Perchlorobutadiene) | 87-68-3           | 3.61E-10  |
| Maxoffsite           | Hexachlorobenzene                             | 118-74-1          | 2.79E-10  |
| Maxoffsite           | Hexachlorocyclopentadiene                     | 77-47-4           | 1.05E-09  |
| Maxoffsite           | Hexachloroethane (Perchloroethane)            | 67-72-1           | 3.43E-11  |
| Maxoffsite           | hexachloropropene                             | 1888-71-7         | 3.86E-12  |
| Maxoffsite           | hexane  | 110-54-3          | 5.28E-14  |
| Maxoffsite           | Hydrogen chloride                             | 7647-01-0         | 5.34E-07  |
| Maxoffsite           | Indeno(1,2,3-cd) pyrene                       | 193-39-5          | 6.85E-09  |
| Maxoffsite           | Isophorone                                    | 78-59-1           | 1.50E-11  |
| Maxoffsite           | Lead  | 7439-92-1         | 2.19E-09  |
| Maxoffsite           | manganese                                     | 7439-96-5         | 8.41E-09  |
| Maxoffsite           | Mercuric chloride                             | 7487-94-7         | 7.86E-10  |
| Maxoffsite           | Methacrylonitrile                             | 126-98-7          | 2.45E-11  |
| Maxoffsite           | Methyl bromide (Bromomethane)                 | 74-83-9           | 9.16E-16  |
| Maxoffsite           | Methyl chloride (Chloromethane)               | 74-87-3           | 2.91E-14  |
| Maxoffsite           | Methyl ethyl ketone (2-Butanone)              | 78-93-3           | 9.00E-12  |
| Maxoffsite           | Methyl isobutyl ketone                        | 108-10-1          | 5.71E-12  |



| <b>Receptor Name</b> | <b>COPC Name</b>               | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|--------------------------------|-------------------|---|
| Maxoffsite           | Methyl mercury                 | 22967-92-6        | 1.57E-11  |
| Maxoffsite           | methyl tert-butyl ether        | 1634-04-4         | 6.65E-13  |
| Maxoffsite           | methylcyclohexane              | 108-87-2          | 1.28E-13  |
| Maxoffsite           | Methylene chloride             | 75-09-2           | 9.99E-13  |
| Maxoffsite           | methymethacrylate              | 80-62-6           | 3.24E-13  |
| Maxoffsite           | Naphthalene                    | 91-20-3           | 1.81E-08  |
| Maxoffsite           | Nickel                         | 7440-02-0         | 2.23E-10  |
| Maxoffsite           | Nitroaniline, 2-               | 88-74-4           | 9.27E-11  |
| Maxoffsite           | Nitroaniline, 3-               | 99-09-2           | 1.59E-10  |
| Maxoffsite           | Nitroaniline, 4-               | 100-01-6          | 1.80E-10  |
| Maxoffsite           | Nitrobenzene                   | 98-95-3           | 1.43E-11  |
| Maxoffsite           | Nitrophenol, 2-                | 88-75-5           | 4.24E-10  |
| Maxoffsite           | Nitrophenol, 4-                | 100-02-7          | 3.34E-11  |
| Maxoffsite           | Nitroso-di-n-butylamine, n-    | 924-16-3          | 3.37E-11  |
| Maxoffsite           | Nitrosodiphenylamine, N-       | 86-30-6           | 2.64E-11  |
| Maxoffsite           | Nitrosodipropylamine, n-       | 621-64-7          | 4.05E-11  |
| Maxoffsite           | n-nitrosodiethylamine          | 55-18-5           | 2.08E-12  |
| Maxoffsite           | n-nitrosodimethylamine         | 62-75-9           | 3.58E-13  |
| Maxoffsite           | n-nitrosomethylethylamine      | 10595-95-6        | 2.33E-12  |
| Maxoffsite           | n-nitrosomorpholine            | 59-89-2           | 1.89E-11  |
| Maxoffsite           | OctaCDD, 1,2,3,4,6,7,8,9-      | 3268-87-9         | 3.68E-12  |
| Maxoffsite           | OctaCDF, 1,2,3,4,6,7,8,9-      | 39001-02-0        | 5.28E-11  |
| Maxoffsite           | o-tolualdehyde                 | 529-20-4          | 1.94E-09  |
| Maxoffsite           | p-dimethylaminoazobenzene      | 60-11-7           | 5.29E-08  |
| Maxoffsite           | PentaCDD, 1,2,3,7,8-           | 40321-76-4        | 6.15E-13  |
| Maxoffsite           | PentaCDF, 1,2,3,7,8-           | 57117-41-6        | 6.66E-12  |
| Maxoffsite           | PentaCDF, 2,3,4,7,8-           | 57117-31-4        | 1.37E-11  |
| Maxoffsite           | Pentachlorobenzene             | 608-93-5          | 4.45E-10  |
| Maxoffsite           | pentachloroethane              | 76-01-7           | 3.77E-12  |
| Maxoffsite           | Pentachloronitrobenzene (PCNB) | 82-68-8           | 2.68E-09  |
| Maxoffsite           | Pentachlorophenol              | 87-86-5           | 6.75E-09  |
| Maxoffsite           | perchlorate                    | 14797-73-0        | 3.66E-11  |
| Maxoffsite           | Phenanthrene                   | 85-01-8           | 5.09E-09  |
| Maxoffsite           | Phenol                         | 108-95-2          | 2.18E-10  |
| Maxoffsite           | phosphorous                    | 7723-14-0         | 9.85E-09  |
| Maxoffsite           | propanal                       | 123-38-6          | 9.66E-12  |
| Maxoffsite           | propylbenzene                  | 103-65-1          | 2.39E-12  |
| Maxoffsite           | propylene                      | 115-07-1          | 2.25E-14  |
| Maxoffsite           | Pyrene                         | 129-00-0          | 3.44E-08  |
| Maxoffsite           | Pyridine                       | 110-86-1          | 1.56E-12  |
| Maxoffsite           | Selenium                       | 7782-49-2         | 1.23E-12  |
| Maxoffsite           | Silver                         | 7440-22-4         | 6.75E-09  |
| Maxoffsite           | Styrene                        | 100-42-5          | 2.83E-11  |
| Maxoffsite           | TetraCDD, 2,3,7,8-             | 1746-01-6         | 1.30E-13  |
| Maxoffsite           | TetraCDF, 2,3,7,8-             | 51207-31-9        | 2.06E-12  |
| Maxoffsite           | Tetrachlorobenzene, 1,2,4,5-   | 95-94-3           | 7.58E-11  |
| Maxoffsite           | Tetrachloroethane, 1,1,2,2-    | 79-34-5           | 1.27E-13  |

| <b>Receptor Name</b> | <b>COPC Name</b>                        | <b>CAS Number</b> | <b>Maximum Soil Concentration<br/>[mg COPC/kg Soil]</b> |
|----------------------|---|-------------------|---|
| Maxoffsite           | Tetrachloroethylene (Perchloroethylene) | 127-18-4          | 2.30E-14  |
| Maxoffsite           | Tetrachlorophenol, 2,3,4,6-             | 58-90-2           | 3.16E-10  |
| Maxoffsite           | Tetrahydrofuran                         | 109-99-9          | 1.50E-13  |
| Maxoffsite           | Toluene                                 | 108-88-3          | 6.76E-13  |
| Maxoffsite           | Toluidine, o-                           | 95-53-4           | 1.24E-10  |
| Maxoffsite           | trans-1,3-dichloropropene               | 10061-02-6        | 1.49E-13  |
| Maxoffsite           | trans-2-butene                          | 624-64-6          | 5.30E-15  |
| Maxoffsite           | Trichlorobenzene, 1,2,4-                | 120-82-1          | 2.12E-12  |
| Maxoffsite           | Trichloroethane, 1,1,1-                 | 71-55-6           | 1.73E-15  |
| Maxoffsite           | Trichloroethane, 1,1,2-                 | 79-00-5           | 3.96E-14  |
| Maxoffsite           | Trichloroethylene                       | 79-01-6           | 1.51E-14  |
| Maxoffsite           | Trichlorophenol, 2,4,5-                 | 95-95-4           | 2.14E-09  |
| Maxoffsite           | Trichlorophenol, 2,4,6-                 | 88-06-2           | 1.87E-10  |
| Maxoffsite           | Trimethylbenzene, 1,3,5-                | 108-67-8          | 8.49E-12  |
| Maxoffsite           | Trinitrobenzene, 1,3,5 (sym-)           | 99-35-4           | 2.91E-10  |
| Maxoffsite           | undecane                                | 1120-21-4         | 1.72E-11  |
| Maxoffsite           | Vinyl Chloride                          | 75-01-4           | 3.79E-15  |
| Maxoffsite           | Xylene, m-                              | 108-38-3          | 6.72E-13  |
| Maxoffsite           | Xylene, o-                              | 95-47-6           | 8.08E-13  |
| Maxoffsite           | Xylene, p-                              | 106-42-3          | 5.58E-13  |
| Maxoffsite           | Zinc                                    | 7440-66-6         | 2.06E-10  |