## Contact Recreation Water PCLs

## Direct Human Contact Recreation Water PCLs

Under TRRP (§350.71(c)(7), §350.75(i)(13) and (14)), surface water PCLs must be established when TCEQ determines that relevant exposure pathways are complete or reasonably anticipated to be complete for a given chemical of concern (COC). Pathways likely to be relevant to surface water include: ingestion of surface water (incidental or as drinking water), dermal contact with surface water, and ingestion of contaminated fish/shellfish from the surface water body. As indicated in TRRP guidance (i.e., Determining PCLs for Surface Water and Sediment (RG-366/TRRP-24)), when TSWQS values which consider human exposure to surface water via fish/shellfish ingestion and drinking water ingestion (first column in the HH ${ }^{\text {Sw }}$ RBEL Table or column "A" of Table 3 in Chapter 307) are used as the ${ }^{\text {Sw }}$ RBELs, it is generally not necessary to evaluate contact recreation (e.g., swimming) as it is reasonable to assume that concentrations that are protective of drinking water consumption and transfers to fish will also be protective of dermal contact and the incidental ingestion of surface water during recreation. However, when a water body is not classified as a drinking water source, the TSWQS allow surface water quality standards to be set based solely on consideration of uptake of COCs into fish/shellfish and aquatic life criteria and it may be necessary to evaluate contact recreation (i.e., incidental ingestion and dermal contact with surface water) in order to fully comply with the risk assessment requirements under TRRP (see Section 5.1 of TRRP-24 for additional information).

## Summary of Recreation Water PCL Development

Individuals using surface water for recreation (e.g., swimming) may be exposed to COCs through the incidental ingestion of surface water and dermal contact. In developing PCLs for recreation water exposure pathways, Tier 1 exposure factors were used when applicable (e.g., exposure duration, body weight). However, certain pathway-specific exposure parameters (e.g., exposure frequency, incidental surface water ingestion rate) are not available in TRRP and were taken from Table 5-1 of TRRP-24. The residential RBEL-4 equations (see Figure 30 TAC $\S 350.74$ (a)) were used to evaluate the incidental ingestion of surface water pathway by changing the exposure frequency and the ingestion rate (including calculation of an age-adjusted incidental ingestion rate of 0.126 L-year/kg-day). Dermal exposure to surface water was evaluated using equations and inputs provided by USEPA in Risk Assessment Guidance for Superfund Volume I: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final Guidance (July 2004) and errata (www.epa.gov/oswer/riskassessment/ragse/pdf/part e final revision 7-27-06.pdf). TRRP chemical/physical data (i.e., $\log \mathrm{K}_{\text {ow }}$, molecular weight) were used to calculate skin permeability coefficients (i.e., $\mathrm{K}_{\mathrm{p}}$ values). The child exposure scenario was most sensitive for noncarcinogenic hazard, and the age-adjusted scenario was most sensitive for carcinogenic risk. The contact recreation PCL table for surface water will be updated periodically (i.e., every March along with the other PCL and RBEL tables).

Tier 1 Contact Recreation Water PCLs ${ }^{1}$

| Chemical of Concern | CAS |  |  | Carcinogenic |  |  | Noncarcinogenic |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} { }^{\text {Tot }} \text { RW Comb }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | note ${ }^{3}$ | $\begin{gathered} { }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}^{\mathrm{W}}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ |  | $\begin{gathered} { }^{{ }^{R W}} \mathrm{RW}_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ |
| Acenaphthene | 83-32-9 | $2.44 \mathrm{E}+00$ | n | --- | --- | --- | $2.44 \mathrm{E}+00$ | $5.62 \mathrm{E}+01$ | $2.55 \mathrm{E}+00$ |
| Acenaphthylene | 208-96-8 | $3.26 \mathrm{E}+00$ | n | --- | --- | --- | $3.26 \mathrm{E}+00$ | $5.62 \mathrm{E}+01$ | $3.46 \mathrm{E}+00$ |
| Acetaldehyde | 75-07-0 | $7.46 \mathrm{E}+01$ | n | --- | --- | --- | $7.46 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $3.67 \mathrm{E}+02$ |
| Acetone (2-propanone) | 67-64-1 | $7.80 \mathrm{E}+02$ | n | --- | --- | --- | $7.80 \mathrm{E}+02$ | $8.42 \mathrm{E}+02$ | $1.06 \mathrm{E}+04$ |
| Acetone cyanohydrin | 75-86-5 | $6.93 \mathrm{E}-01$ | n | --- | --- | --- | $6.93 \mathrm{E}-01$ | $7.49 \mathrm{E}-01$ | $9.35 \mathrm{E}+00$ |
| Acetophenone | 98-86-2 | $5.36 \mathrm{E}+01$ | n | --- | --- | --- | $5.36 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.26 \mathrm{E}+02$ |
| Acetylaminofluorene, 2- | 53-96-3 | 3.43E-03 | c | 3.43E-03 | 1.37E-02 | 4.57E-03 | --- | --- | --- |
| Acifluorfen, sodium | 62476-59-9 | $1.20 \mathrm{E}+01$ | n | --- | --- | --- | $1.20 \mathrm{E}+01$ | $1.22 \mathrm{E}+01$ | $7.57 \mathrm{E}+02$ |
| Acridine | 260-94-6 | 3.65E-01 | n | --- | --- | --- | 3.65E-01 | $2.81 \mathrm{E}+00$ | $4.19 \mathrm{E}-01$ |
| Acrolein | 107-02-8 | $4.26 \mathrm{E}-01$ | n | --- | --- | --- | $4.26 \mathrm{E}-01$ | $4.68 \mathrm{E}-01$ | $4.70 \mathrm{E}+00$ |
| Acrylamide | 79-06-1 | $1.10 \mathrm{E}-02$ | c | 1.10E-02 | 1.16E-02 | $2.44 \mathrm{E}-01$ | $1.82 \mathrm{E}-01$ | $1.87 \mathrm{E}-01$ | $6.50 \mathrm{E}+00$ |
| Acrylic acid (propenoic acid) | 79-10-7 | $3.93 \mathrm{E}+02$ | n | --- | --- | --- | $3.93 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $2.47 \mathrm{E}+03$ |
| Acrylonitrile | 107-13-1 | $7.57 \mathrm{E}-02$ | c | 7.57E-02 | $9.63 \mathrm{E}-02$ | 3.55E-01 | 8.03E-01 | 9.36E-01 | $5.68 \mathrm{E}+00$ |
| Adipic acid (hexanedioic acid) | 124-04-9 | $4.43 \mathrm{E}+03$ | n | --- | --- | --- | $4.43 \mathrm{E}+03$ | $4.68 \mathrm{E}+03$ | $8.33 \mathrm{E}+04$ |
| Alachlor | 15972-60-8 | $1.04 \mathrm{E}-01$ | c | $1.04 \mathrm{E}-01$ | $6.50 \mathrm{E}-01$ | $1.24 \mathrm{E}-01$ | $2.24 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $2.95 \mathrm{E}+00$ |
| Aldicarb | 116-06-3 | $7.44 \mathrm{E}-01$ | n | --- | --- | --- | 7.44E-01 | $9.36 \mathrm{E}-01$ | $3.64 \mathrm{E}+00$ |
| Aldicarb sulfone | 1646-88-4 | $9.27 \mathrm{E}-01$ | n | --- | --- | --- | $9.27 \mathrm{E}-01$ | 9.36E-01 | $9.97 \mathrm{E}+01$ |
| Allyl alcohol | 107-18-6 | $4.08 \mathrm{E}+00$ | n | --- | --- | --- | $4.08 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $3.19 \mathrm{E}+01$ |
| Allyl chloride | 107-05-1 | $3.46 \mathrm{E}+00$ | n | --- | --- | --- | $3.46 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $5.49 \mathrm{E}+00$ |
| Aluminum | 7429-90-5 | $4.03 \mathrm{E}+02$ | n | --- | --- | --- | $4.03 \mathrm{E}+02$ | $9.36 \mathrm{E}+02$ | $7.09 \mathrm{E}+02$ |
| Ametryn | 834-12-8 | $2.80 \mathrm{E}+00$ | n | --- | --- | --- | $2.80 \mathrm{E}+00$ | $8.42 \mathrm{E}+00$ | $4.20 \mathrm{E}+00$ |
| Aminobiphenyl, 4- (1,1-biphenyl-4-amine) | 92-67-1 | 8.95E-04 | c | 8.95E-04 | $8.52 \mathrm{E}-03$ | $1.00 \mathrm{E}-03$ | --- | --- | --- |
| Amino-2,6-dinitrotoluene, 4- | 19406-51-0 | $5.94 \mathrm{E}-02$ | n | $1.41 \mathrm{E}+00$ | $5.20 \mathrm{E}+00$ | $1.94 \mathrm{E}+00$ | $5.94 \mathrm{E}-02$ | $1.56 \mathrm{E}-01$ | $9.59 \mathrm{E}-02$ |
| Amino-4,6-dinitrotoluene, 2- | 35572-78-2 | $4.97 \mathrm{E}-02$ | n | $1.15 \mathrm{E}+00$ | $5.20 \mathrm{E}+00$ | $1.48 \mathrm{E}+00$ | $4.97 \mathrm{E}-02$ | $1.56 \mathrm{E}-01$ | $7.29 \mathrm{E}-02$ |
| Aminopyridine, 4- | 504-24-5 | $1.76 \mathrm{E}-02$ | n | --- | --- | --- | 1.76E-02 | $1.87 \mathrm{E}-02$ | $2.89 \mathrm{E}-01$ |
| Aniline | 62-53-3 | $4.69 \mathrm{E}+00$ | n | $5.52 \mathrm{E}+00$ | $9.12 \mathrm{E}+00$ | $1.40 \mathrm{E}+01$ | $4.69 \mathrm{E}+00$ | $6.55 \mathrm{E}+00$ | $1.65 \mathrm{E}+01$ |
| Anthracene | 120-12-7 | $1.07 \mathrm{E}+01$ | n | --- | --- | --- | $1.07 \mathrm{E}+01$ | $2.81 \mathrm{E}+02$ | $1.11 \mathrm{E}+01$ |
| Anthraquinone, 9,10- | 84-65-1 | $4.42 \mathrm{E}+00$ | n | --- | --- | --- | $4.42 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $5.78 \mathrm{E}+00$ |
| Antimony | 7440-36-0 | $1.99 \mathrm{E}-01$ | n | --- | --- | --- | $1.99 \mathrm{E}-01$ | 3.74E-01 | $4.25 \mathrm{E}-01$ |
| Aramite | 140-57-8 | $6.50 \mathrm{E}-02$ | c | $6.50 \mathrm{E}-02$ | $2.08 \mathrm{E}+00$ | $6.71 \mathrm{E}-02$ | $2.36 \mathrm{E}+00$ | $4.68 \mathrm{E}+01$ | $2.49 \mathrm{E}+00$ |
| Arsenic | 7440-38-2 | $2.85 \mathrm{E}-02$ | c | $2.85 \mathrm{E}-02$ | $3.47 \mathrm{E}-02$ | $1.59 \mathrm{E}-01$ | $2.48 \mathrm{E}-01$ | $2.81 \mathrm{E}-01$ | $2.13 \mathrm{E}+00$ |
| Atrazine | 1912-24-9 | $5.56 \mathrm{E}-02$ | c | $5.56 \mathrm{E}-02$ | $2.34 \mathrm{E}-01$ | 7.30E-02 | $1.11 \mathrm{E}+01$ | $3.28 \mathrm{E}+01$ | $1.68 \mathrm{E}+01$ |
| Azinphos-methyl (guthion) | 86-50-0 | 8.64E-01 | n | --- | --- | --- | 8.64E-01 | $1.40 \mathrm{E}+00$ | $2.25 \mathrm{E}+00$ |
| Barium | 7440-39-3 | $6.49 \mathrm{E}+01$ | n | --- | --- | --- | $6.49 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $9.93 \mathrm{E}+01$ |
| Bayleton | 43121-43-3 | $1.66 \mathrm{E}+01$ | n | --- | --- | --- | $1.66 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | $4.04 \mathrm{E}+01$ |
| Benefin (benfluralin) | 1861-40-1 | $7.52 \mathrm{E}+00$ | n | --- | --- | --- | $7.52 \mathrm{E}+00$ | $2.81 \mathrm{E}+02$ | $7.73 \mathrm{E}+00$ |
| Benomyl | 17804-35-2 | $4.13 \mathrm{E}+01$ | n | --- | --- | --- | $4.13 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $3.51 \mathrm{E}+02$ |
| Benzaldehyde | 100-52-7 | $4.26 \mathrm{E}+01$ | n | --- | --- | --- | $4.26 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $7.81 \mathrm{E}+01$ |
| Benzene | 71-43-2 | $2.35 \mathrm{E}-01$ | c | $2.35 \mathrm{E}-01$ | 9.45E-01 | 3.13E-01 | $1.32 \mathrm{E}+00$ | $3.74 \mathrm{E}+00$ | $2.04 \mathrm{E}+00$ |
| Benzenethiol | 108-98-5 | $2.00 \mathrm{E}-03$ | n | --- | --- | --- | $2.00 \mathrm{E}-03$ | $9.36 \mathrm{E}-03$ | $2.54 \mathrm{E}-03$ |
| Benzidine | 92-87-5 | $1.58 \mathrm{E}-04$ | c | $1.58 \mathrm{E}-04$ | $2.26 \mathrm{E}-04$ | $5.26 \mathrm{E}-04$ | $2.23 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | $1.08 \mathrm{E}+01$ |
| Benzoic acid | 65-85-0 | $1.88 \mathrm{E}+03$ | n | --- | --- | --- | $1.88 \mathrm{E}+03$ | $3.74 \mathrm{E}+03$ | $3.78 \mathrm{E}+03$ |
| Benzotrichloride | 98-07-7 | $2.02 \mathrm{E}-04$ | c | $2.02 \mathrm{E}-04$ | $4.00 \mathrm{E}-03$ | $2.12 \mathrm{E}-04$ | --- | --- | --- |
| Benzyl alcohol | 100-51-6 | $2.10 \mathrm{E}+02$ | n | --- | --- | --- | $2.10 \mathrm{E}+02$ | $2.81 \mathrm{E}+02$ | $8.27 \mathrm{E}+02$ |
| Benzyl chloride | 100-44-7 | $4.28 \mathrm{E}-02$ | c | $4.28 \mathrm{E}-02$ | 3.06E-01 | 4.98E-02 | --- | --- | --- |
| Benzyl dichloride | 98-87-3 | $4.63 \mathrm{E}-02$ | c | $4.63 \mathrm{E}-02$ | $3.06 \mathrm{E}-01$ | $5.46 \mathrm{E}-02$ | --- | --- | --- |
| Beryllium | 7440-41-7 | $9.43 \mathrm{E}-02$ | n | --- | --- | --- | $9.43 \mathrm{E}-02$ | $1.87 \mathrm{E}+00$ | $9.93 \mathrm{E}-02$ |
| Biphenyl, 1,1- | 92-52-4 | $3.52 \mathrm{E}+00$ | n | --- | --- | --- | $3.52 \mathrm{E}+00$ | $4.68 \mathrm{E}+01$ | $3.80 \mathrm{E}+00$ |
| Biquinoline, 2,2'- | 119-91-5 | $2.70 \mathrm{E}-01$ | n | --- | --- | --- | $2.70 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $2.99 \mathrm{E}-01$ |
| Bis (2-chloroethoxy) methane | 111-91-1 | $1.23 \mathrm{E}-02$ | c | 1.23E-02 | 4.73E-02 | $1.67 \mathrm{E}-02$ | --- | --- | --- |
| Bis (2-chloroethyl) ether | 111-44-4 | $2.58 \mathrm{E}-02$ | c | $2.58 \mathrm{E}-02$ | $4.73 \mathrm{E}-02$ | 5.67E-02 | --- | --- | --- |
| Bis (2-chloroisopropyl) ether | 108-60-1 | $1.81 \mathrm{E}-01$ | c | $1.81 \mathrm{E}-01$ | 7.43E-01 | $2.39 \mathrm{E}-01$ | 1.30E+01 | $3.74 \mathrm{E}+01$ | $1.99 \mathrm{E}+01$ |
| Bis (2-chloromethyl) ether | 542-88-1 | $1.90 \mathrm{E}-04$ | c | $1.90 \mathrm{E}-04$ | $2.36 \mathrm{E}-04$ | $9.65 \mathrm{E}-04$ | --- | --- | --- |
| Bismuth | 7440-69-9 | $2.82 \mathrm{E}+02$ | n | --- | --- | --- | $2.82 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $7.09 \mathrm{E}+02$ |
| Bisphenol A | 80-05-7 | $9.64 \mathrm{E}+00$ | n | --- | --- | --- | $9.64 \mathrm{E}+00$ | $4.68 \mathrm{E}+01$ | $1.21 \mathrm{E}+01$ |
| Boron | 7440-42-8 | $7.44 \mathrm{E}+01$ | n | --- | --- | --- | $7.44 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $6.38 \mathrm{E}+02$ |
| Bromobenzene | 108-86-1 | $4.20 \mathrm{E}+00$ | n | --- | --- | --- | $4.20 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $5.42 \mathrm{E}+00$ |
| Bromo-2-chloroethane, 1- | 107-04-0 | $2.03 \mathrm{E}+01$ | n | --- | --- | --- | $2.03 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $4.45 \mathrm{E}+01$ |
| Bromodichloromethane | 75-27-4 | $4.77 \mathrm{E}-01$ | c | 4.77E-01 | 8.39E-01 | $1.11 \mathrm{E}+00$ | $1.28 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $4.07 \mathrm{E}+01$ |
| Bromoform | 75-25-2 | $4.30 \mathrm{E}+00$ | c | $4.30 \mathrm{E}+00$ | $6.58 \mathrm{E}+00$ | $1.24 \mathrm{E}+01$ | $1.42 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $5.82 \mathrm{E}+01$ |
| Bromomethane (methyl bromide) | 74-83-9 | $9.02 \mathrm{E}-01$ | n | --- | --- | --- | $9.02 \mathrm{E}-01$ | $1.31 \mathrm{E}+00$ | $2.90 \mathrm{E}+00$ |
| Butanal (butyraldehyde) | 123-72-8 | $4.17 \mathrm{E}+01$ | n | --- | --- | --- | $4.17 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $1.62 \mathrm{E}+02$ |
| Butanoic acid (butyric acid) | 107-92-6 | $3.38 \mathrm{E}+02$ | n | --- | --- | --- | $3.38 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $1.22 \mathrm{E}+03$ |
| Butanol, n- | 71-36-3 | $6.99 \mathrm{E}+01$ | n | --- | --- | --- | $6.99 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $2.76 \mathrm{E}+02$ |
| Butoxy ethanol, 2- (Ethylene glycol monobutyl ether; EGBE) | 111-76-2 | $3.30 \mathrm{E}+02$ | n | --- | --- | --- | $3.30 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $1.11 \mathrm{E}+03$ |
| Butyl acetate | 123-86-4 | $7.26 \mathrm{E}+01$ | n | --- | --- | --- | $7.26 \mathrm{E}+01$ | $1.31 \mathrm{E}+02$ | $1.63 \mathrm{E}+02$ |
| Butyl acrylate | 141-32-2 | $3.28 \mathrm{E}+00$ | n | --- | --- | --- | $3.28 \mathrm{E}+00$ | $8.42 \mathrm{E}+00$ | $5.36 \mathrm{E}+00$ |
| Butyl benzyl phthalate | 85-68-7 | $7.88 \mathrm{E}+00$ | n | --- | --- | --- | $7.88 \mathrm{E}+00$ | $1.87 \mathrm{E}+02$ | $8.23 \mathrm{E}+00$ |
| Butylate | 2008-41-5 | $4.54 \mathrm{E}+00$ | n | --- | --- | --- | $4.54 \mathrm{E}+00$ | $4.68 \mathrm{E}+01$ | $5.03 \mathrm{E}+00$ |
| Butylbenzene, n- | 104-51-8 | $1.20 \mathrm{E}+00$ | n | --- | --- | --- | $1.20 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $1.24 \mathrm{E}+00$ |
| Butylbenzene, sec- | 135-98-8 | $1.58 \mathrm{E}+00$ | n | --- | --- | --- | $1.58 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $1.65 \mathrm{E}+00$ |
| Butylbenzene, tert- | 98-06-6 | $1.40 \mathrm{E}+00$ | n | --- | --- | --- | $1.40 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $1.45 \mathrm{E}+00$ |
| Butyl ether, n- (dibutyl ether) | 142-96-1 | $1.28 \mathrm{E}+01$ | n | --- | --- | --- | $1.28 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.48 \mathrm{E}+01$ |
| Cacodylic acid | 75-60-5 | $2.67 \mathrm{E}+00$ | n | --- | --- | --- | $2.67 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | $5.62 \mathrm{E}+01$ |
| Cadmium | 7440-43-9 | $1.49 \mathrm{E}-01$ | n | --- | --- | --- | $1.49 \mathrm{E}-01$ | 9.36E-01 | $1.77 \mathrm{E}-01$ |
| Caprolactam | 105-60-2 | $4.08 \mathrm{E}+02$ | n | --- | --- | --- | $4.08 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $3.16 \mathrm{E}+03$ |
| Captan | 133-06-2 | $1.04 \mathrm{E}+01$ | c | $1.04 \mathrm{E}+01$ | $1.49 \mathrm{E}+01$ | $3.51 \mathrm{E}+01$ | $9.68 \mathrm{E}+01$ | $1.22 \mathrm{E}+02$ | $4.74 \mathrm{E}+02$ |

Tier 1 Contact Recreation Water PCLs ${ }^{1}$

| Chemical of Concern | CAS |  |  | Carcinogenic |  |  | Noncarcinogenic |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} { }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | note ${ }^{3}$ | $\begin{gathered} { }^{\text {Tot }} \begin{array}{c} \text { RW Comb } \\ (\mathrm{mg} / \mathrm{L}) \end{array}{ }^{2} \\ \hline \end{gathered}$ | $\begin{gathered} { }^{R W} \mathrm{RW}_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \\ \hline \end{gathered}$ | $\begin{array}{\|c} \mathrm{Tot}_{\text {Tot }}^{\text {RW Comb }} \\ \text { (mg/L) } \end{array}$ | $\begin{gathered} { }^{R W} \mathrm{RW}_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ |
| Carbaryl | 63-25-2 | $4.57 \mathrm{E}+01$ | n | --- | --- | --- | $4.57 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $8.92 \mathrm{E}+01$ |
| Carbazole | 86-74-8 | $2.74 \mathrm{E}-01$ | c | $2.74 \mathrm{E}-01$ | $2.60 \mathrm{E}+00$ | 3.06E-01 | --- | --- | --- |
| Carbofuran | 1563-66-2 | $2.52 \mathrm{E}+00$ | n | --- | --- | --- | $2.52 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $5.46 \mathrm{E}+00$ |
| Carbon disulfide | 75-15-0 | $3.43 \mathrm{E}+01$ | n | --- | --- | --- | $3.43 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $5.41 \mathrm{E}+01$ |
| Carbon tetrachloride | 56-23-5 | $1.03 \mathrm{E}-01$ | c | 1.03E-01 | $4.00 \mathrm{E}-01$ | 1.38E-01 | $2.38 \mathrm{E}-01$ | $6.55 \mathrm{E}-01$ | 3.74E-01 |
| Carbophenothion | 786-19-6 | $4.26 \mathrm{E}-01$ | n | --- | --- | --- | $4.26 \mathrm{E}-01$ | $1.22 \mathrm{E}+01$ | $4.42 \mathrm{E}-01$ |
| Carboxin | 5234-68-4 | $2.81 \mathrm{E}+01$ | n | --- | --- | --- | $2.81 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $4.01 \mathrm{E}+01$ |
| Chloral | 75-87-6 | $7.32 \mathrm{E}+01$ | n | --- | --- | --- | $7.32 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $3.35 \mathrm{E}+02$ |
| Chloral hydrate (1,1-ethanediol, 2,2,2-trichloro-) | 302-17-0 | $8.79 \mathrm{E}+01$ | n | --- | --- | --- | $8.79 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.44 \mathrm{E}+03$ |
| Chloramben (amiben; 3-amino-2,5-dichlorobenzoic acid) | 133-90-4 | $6.27 \mathrm{E}+00$ | n | --- | --- | --- | $6.27 \mathrm{E}+00$ | $1.40 \mathrm{E}+01$ | $1.13 \mathrm{E}+01$ |
| Chlorfenvinphos | 470-90-6 | $9.58 \mathrm{E}-02$ | n | --- | --- | --- | $9.58 \mathrm{E}-02$ | $6.55 \mathrm{E}-01$ | $1.12 \mathrm{E}-01$ |
| Chlorine | 7782-50-5 | $5.64 \mathrm{E}+01$ | n | --- | --- | --- | $5.64 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.42 \mathrm{E}+02$ |
| Chloroaniline, p- | 106-47-8 | $2.14 \mathrm{E}+00$ | n | --- | --- | --- | $2.14 \mathrm{E}+00$ | $3.74 \mathrm{E}+00$ | $5.02 \mathrm{E}+00$ |
| Chlorobenzene | 108-90-7 | $1.58 \mathrm{E}+00$ | n | --- | --- | --- | $1.58 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $1.73 \mathrm{E}+00$ |
| Chlorobenzilate | 510-15-6 | $1.84 \mathrm{E}-02$ | c | 1.84E-02 | $1.93 \mathrm{E}-01$ | $2.04 \mathrm{E}-02$ | $2.78 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $3.26 \mathrm{E}+00$ |
| Chlorobromomethane (bromochloromethane) | 74-97-5 | $2.68 \mathrm{E}+01$ | n | --- | --- | --- | $2.68 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $9.37 \mathrm{E}+01$ |
| Chloroethane (ethyl chloride) | 75-00-3 | $1.75 \mathrm{E}+02$ | n | --- | --- | --- | $1.75 \mathrm{E}+02$ | $3.74 \mathrm{E}+02$ | $3.28 \mathrm{E}+02$ |
| Chloroethanol, 2- | 107-07-3 | $3.34 \mathrm{E}+02$ | n | --- | --- | --- | $3.34 \mathrm{E}+02$ | $3.74 \mathrm{E}+02$ | $3.09 \mathrm{E}+03$ |
| Chloroethoxy ethene, 2-(2-chloroethylvinylether) | 110-75-8 | $1.62 \mathrm{E}-02$ | c | 1.62E-02 | $4.73 \mathrm{E}-02$ | $2.48 \mathrm{E}-02$ | $8.67 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.61 \mathrm{E}+00$ |
| Chloroform | 67-66-3 | $2.35 \mathrm{E}+00$ | n | --- | --- | --- | $2.35 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $3.14 \mathrm{E}+00$ |
| Chlorohexane, 1- | 544-10-5 | $2.68 \mathrm{E}+00$ | n | --- | --- | --- | $2.68 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $2.89 \mathrm{E}+00$ |
| Chloromethane (methyl chloride) | 74-87-3 | $1.95 \mathrm{E}+00$ | c | $1.95 \mathrm{E}+00$ | $4.00 \mathrm{E}+00$ | $3.80 \mathrm{E}+00$ | --- | --- | --- |
| Chloro-3-methylphenol, 4- | 59-50-7 | $8.70 \mathrm{E}-01$ | n | --- | --- | --- | $8.70 \mathrm{E}-01$ | $4.68 \mathrm{E}+00$ | $1.07 \mathrm{E}+00$ |
| Chloronaphthalene, 1- (Chloronaphthalene, alpha-) | 90-13-1 | $3.96 \mathrm{E}+00$ | n | --- | --- | --- | $3.96 \mathrm{E}+00$ | $7.49 \mathrm{E}+01$ | $4.18 \mathrm{E}+00$ |
| Chloronaphthalene, 2- (chloronaphthalene, beta) | 91-58-7 | $5.48 \mathrm{E}+00$ | n | --- | --- | --- | $5.48 \mathrm{E}+00$ | $7.49 \mathrm{E}+01$ | $5.91 \mathrm{E}+00$ |
| Chloronitrobenzene, p- (1-chloro-4-nitrobenzene) | 100-00-5 | $7.36 \mathrm{E}-01$ | c | 7.36E-01 | $2.89 \mathrm{E}+00$ | $9.89 \mathrm{E}-01$ | --- | --- | --- |
| Chlorophenol, 2- | 95-57-8 | $1.93 \mathrm{E}+00$ | n | --- | --- | --- | $1.93 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $3.29 \mathrm{E}+00$ |
| Chlorophenol, 3- | 108-43-0 | $2.08 \mathrm{E}+00$ | n | --- | --- | --- | $2.08 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $3.74 \mathrm{E}+00$ |
| Chlorophenol, 4- | 106-48-9 | $2.03 \mathrm{E}+00$ | n | --- | --- | --- | $2.03 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $3.58 \mathrm{E}+00$ |
| Chloropropane, 2- | 75-29-6 | $8.00 \mathrm{E}+00$ | n | --- | --- | --- | $8.00 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.12 \mathrm{E}+01$ |
| Chloro-2-propanol, 1- | 127-00-4 | $1.42 \mathrm{E}+01$ | n | --- | --- | --- | $1.42 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $5.88 \mathrm{E}+01$ |
| Chlorothalonil | 1897-45-6 | $6.60 \mathrm{E}-01$ | c | $6.60 \mathrm{E}-01$ | $4.73 \mathrm{E}+00$ | 7.67E-01 | $2.96 \mathrm{E}+00$ | $1.40 \mathrm{E}+01$ | $3.75 \mathrm{E}+00$ |
| Chlorotoluene, o- (2-chlorotoluene) | 95-49-8 | $2.42 \mathrm{E}+00$ | n | --- | --- | --- | $2.42 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $2.78 \mathrm{E}+00$ |
| Chlorotoluene, p- (4-chlorotoluene) | 106-43-4 | $2.12 \mathrm{E}+00$ | n | --- | --- | --- | $2.12 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $2.39 \mathrm{E}+00$ |
| Chlorpyrifos | 2921-88-2 | $1.95 \mathrm{E}-01$ | n | --- | --- | --- | $1.95 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $2.10 \mathrm{E}-01$ |
| Chromium (III) (total chromium) | $\begin{gathered} \text { 16065-83-1/ } \\ 7440-47-3 \end{gathered}$ | $1.26 \mathrm{E}+02$ | n | --- | --- | --- | $1.26 \mathrm{E}+02$ | $1.40 \mathrm{E}+03$ | $1.38 \mathrm{E}+02$ |
| Chromium (VI) | 18540-29-9 | $2.43 \mathrm{E}-01$ | n | --- | --- | --- | 2.43E-01 | $2.81 \mathrm{E}+00$ | $2.66 \mathrm{E}-01$ |
| Cobalt | 7440-48-4 | $5.33 \mathrm{E}+01$ | n | --- | --- | --- | $5.33 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $1.06 \mathrm{E}+03$ |
| Copolymer acrylamide | 69418-26-4 | $1.82 \mathrm{E}-01$ | n | --- | --- | --- | $1.82 \mathrm{E}-01$ | $1.87 \mathrm{E}-01$ | $6.50 \mathrm{E}+00$ |
| Copper | 7440-50-8 | $3.31 \mathrm{E}+01$ | n | --- | --- | --- | $3.31 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $2.84 \mathrm{E}+02$ |
| Coumaphos | 56-72-4 | $8.44 \mathrm{E}-01$ | n | --- | --- | --- | 8.44E-01 | $6.55 \mathrm{E}+00$ | $9.69 \mathrm{E}-01$ |
| Cresol | 1319-77-3 | $1.88 \mathrm{E}+01$ | n | --- | --- | --- | $1.88 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $3.13 \mathrm{E}+01$ |
| Cresol, m- (3-methylphenol) | 108-39-4 | $1.88 \mathrm{E}+01$ | n | --- | --- | --- | $1.88 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $3.13 \mathrm{E}+01$ |
| Cresol, o- (2-methylphenol) | 95-48-7 | $1.88 \mathrm{E}+01$ | n | --- | --- | --- | $1.88 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $3.13 \mathrm{E}+01$ |
| Crotonaldehyde | 123-73-9 | $1.95 \mathrm{E}-02$ | c | 1.95E-02 | $2.74 \mathrm{E}-02$ | 6.73E-02 | --- | --- | --- |
| Cumene (isopropylbenzene) | 98-82-8 | $8.44 \mathrm{E}+00$ | n | --- | --- | --- | $8.44 \mathrm{E}+00$ | $9.36 \mathrm{E}+01$ | $9.27 \mathrm{E}+00$ |
| Cyanazine | 21725-46-2 | $4.08 \mathrm{E}-02$ | c | $4.08 \mathrm{E}-02$ | $6.19 \mathrm{E}-02$ | $1.20 \mathrm{E}-01$ | $1.43 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $5.98 \mathrm{E}+00$ |
| Cyanide | 57-12-5 | $1.65 \mathrm{E}+01$ | n | --- | --- | --- | $1.65 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $1.42 \mathrm{E}+02$ |
| Cyanogen | 460-19-5 | $3.30 \mathrm{E}+01$ | n | --- | --- | --- | $3.30 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $2.77 \mathrm{E}+02$ |
| Cycloate | 1134-23-2 | $5.31 \mathrm{E}+00$ | n | --- | --- | --- | $5.31 \mathrm{E}+00$ | $5.15 \mathrm{E}+01$ | $5.92 \mathrm{E}+00$ |
| Cyclohexane | 110-82-7 | $2.95 \mathrm{E}+02$ | n | --- | --- | --- | $2.95 \mathrm{E}+02$ | $4.68 \mathrm{E}+03$ | $3.15 \mathrm{E}+02$ |
| Cyclohexanol | 108-93-0 | $3.38 \mathrm{E}+03$ | n | --- | --- | --- | $3.38 \mathrm{E}+03$ | $4.68 \mathrm{E}+03$ | $1.21 \mathrm{E}+04$ |
| Cyclohexanone | 108-94-1 | $3.33 \mathrm{E}+03$ | n | --- | --- | --- | $3.33 \mathrm{E}+03$ | $4.68 \mathrm{E}+03$ | $1.15 \mathrm{E}+04$ |
| Cyclotetramethylenetetranitramine (HMX) | 2691-41-0 | $4.61 \mathrm{E}+01$ | n | --- | --- | --- | $4.61 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $3.16 \mathrm{E}+03$ |
| Cyclotrimethylenetrinitramine (RDX) | 121-82-4 | $4.08 \mathrm{E}-01$ | c | $4.08 \mathrm{E}-01$ | 4.73E-01 | $2.96 \mathrm{E}+00$ | $2.56 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | $2.90 \mathrm{E}+01$ |
| Cymene (isopropyltoluene) | 99-87-6 | $3.70 \mathrm{E}+00$ | n | --- | --- | --- | $3.70 \mathrm{E}+00$ | $9.36 \mathrm{E}+01$ | $3.85 \mathrm{E}+00$ |
| Cymoxanil | 57966-95-7 | $1.07 \mathrm{E}+01$ | n | --- | --- | --- | $1.07 \mathrm{E}+01$ | $1.22 \mathrm{E}+01$ | $9.22 \mathrm{E}+01$ |
| Dacthal (DCPA) | 1861-32-1 | $5.40 \mathrm{E}-01$ | n | --- | --- | --- | 5.40E-01 | $9.36 \mathrm{E}+00$ | $5.73 \mathrm{E}-01$ |
| Dalapon, sodium salt (2,2-dichloropropanoic acid) | 75-99-0 | $1.82 \mathrm{E}+01$ | n | --- | --- | --- | $1.82 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | $5.19 \mathrm{E}+01$ |
| Demeton | 8065-48-3 | $1.31 \mathrm{E}-02$ | n | --- | --- | --- | $1.31 \mathrm{E}-02$ | $3.74 \mathrm{E}-02$ | $2.01 \mathrm{E}-02$ |
| Diacetone alcohol (4-hydroxy-4-methyl-2-pentanone) | 123-42-2 | $3.43 \mathrm{E}+01$ | n | --- | --- | --- | $3.43 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $4.04 \mathrm{E}+02$ |
| Diallate | 2303-16-4 | $5.24 \mathrm{E}-02$ | c | 5.24E-02 | 8.52E-01 | 5.58E-02 | --- | --- | --- |
| Diazinon | 333-41-5 | $1.32 \mathrm{E}-01$ | n | --- | --- | --- | 1.32E-01 | $8.42 \mathrm{E}-01$ | $1.56 \mathrm{E}-01$ |
| Dibenzofuran | 132-64-9 | $2.19 \mathrm{E}-01$ | n | --- | --- | --- | $2.19 \mathrm{E}-01$ | $3.74 \mathrm{E}+00$ | $2.32 \mathrm{E}-01$ |
| Dibenzothiophene | 132-65-0 | 7.47E-02 | n | --- | --- | --- | 7.47E-02 | $2.81 \mathrm{E}+00$ | $7.67 \mathrm{E}-02$ |
| Dibromochloromethane (chlorodibromomethane) | 124-48-1 | 3.83E-01 | c | 3.83E-01 | $6.19 \mathrm{E}-01$ | $1.00 \mathrm{E}+00$ | $1.36 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $5.00 \mathrm{E}+01$ |
| Dibromo-3-chloropropane, 1,2- | 96-12-8 | $1.13 \mathrm{E}-02$ | c | $1.13 \mathrm{E}-02$ | 3.71E-02 | $1.62 \mathrm{E}-02$ | --- | --- | --- |
| Dibromofluoromethane | 1868-53-7 | $1.33 \mathrm{E}+02$ | n | --- | --- | --- | $1.33 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $4.60 \mathrm{E}+02$ |
| Dicamba | 1918-00-9 | $1.62 \mathrm{E}+01$ | n | --- | --- | --- | $1.62 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | $3.84 \mathrm{E}+01$ |
| Dichlorobenzene, 1,2- | 95-50-1 | $1.13 \mathrm{E}+01$ | n | --- | --- | --- | $1.13 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $1.31 \mathrm{E}+01$ |
| Dichlorobenzene, 1,3- | 541-73-1 | $3.78 \mathrm{E}+00$ | n | --- | --- | --- | $3.78 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $4.36 \mathrm{E}+00$ |
| Dichlorobenzene, 1,4- | 106-46-7 | $1.86 \mathrm{E}-01$ | c | $1.86 \mathrm{E}-01$ | $2.17 \mathrm{E}+00$ | 2.04E-01 | --- | --- | --- |
| Dichlorobenzidine, 3,3- | 91-94-1 | $2.07 \mathrm{E}-02$ | c | $2.07 \mathrm{E}-02$ | $1.16 \mathrm{E}-01$ | $2.52 \mathrm{E}-02$ | --- | --- | --- |
| Dichlorobutane, 2,3- | 7581-97-7 | $1.95 \mathrm{E}+00$ | n | --- | --- | --- | $1.95 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $2.46 \mathrm{E}+00$ |
| Dichlorodifluoromethane | 75-71-8 | $3.76 \mathrm{E}+01$ | n | --- | --- | --- | $3.76 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $4.70 \mathrm{E}+01$ |
| Dichloroethane, 1,1- | 75-34-3 | $4.58 \mathrm{E}+01$ | n | --- | --- | --- | $4.58 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $8.99 \mathrm{E}+01$ |

Tier 1 Contact Recreation Water PCLs ${ }^{1}$

| Chemical of Concern | CAS |  |  | Carcinogenic |  |  | Noncarcinogenic |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} { }^{\text {Tot }} \text { RW Comb }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | note ${ }^{3}$ | $\begin{array}{\|c} { }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{array}$ | $\begin{gathered} { }^{{ }^{\mathrm{RW}} \mathrm{RW}_{\text {Ing }}} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \\ \hline \end{gathered}$ | $\begin{array}{\|c\|} \hline{ }^{\text {Tot }} \begin{array}{c} \text { RW Comb } \\ (\mathrm{mg} / \mathrm{L}) \end{array} \\ \hline \end{array}$ | $\begin{gathered} { }^{\mathrm{RW}^{\mathrm{RW}}}{ }_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \\ \hline \end{gathered}$ | $\begin{gathered} { }^{\text {RW }} \text { RW }_{\text {Derm }} \\ \text { (mg/L) } \\ \hline \end{gathered}$ |
| Dichloroethane, 1,2- | 107-06-2 | $1.96 \mathrm{E}-01$ | c | $1.96 \mathrm{E}-01$ | $5.71 \mathrm{E}-01$ | $2.98 \mathrm{E}-01$ | --- | --- | --- |
| Dichloroethylene, 1,1- | 75-35-4 | $1.66 \mathrm{E}+01$ | n | --- | --- | --- | $1.66 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $2.58 \mathrm{E}+01$ |
| Dichloroethylene, cis-1,2- | 156-59-2 | $4.18 \mathrm{E}+00$ | n | --- | --- | --- | $4.18 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $7.56 \mathrm{E}+00$ |
| Dichloroethylene, trans-1,2 | 156-60-5 | $6.95 \mathrm{E}+00$ | n | --- | --- | --- | $6.95 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $1.11 \mathrm{E}+01$ |
| Dichlorophenol, 2,3- | 576-24-9 | $7.66 \mathrm{E}-01$ | n | --- | --- | --- | $7.66 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $1.05 \mathrm{E}+00$ |
| Dichlorophenol, 2,4- | 120-83-2 | 7.39E-01 | n | --- | --- | --- | 7.39E-01 | $2.81 \mathrm{E}+00$ | $1.00 \mathrm{E}+00$ |
| Dichlorophenol, 2,5- | 583-78-8 | $8.00 \mathrm{E}-01$ | n | --- | --- | --- | $8.00 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $1.12 \mathrm{E}+00$ |
| Dichlorophenol, 2,6- | 87-65-0 | $2.39 \mathrm{E}-01$ | n | --- | --- | --- | $2.39 \mathrm{E}-01$ | $9.36 \mathrm{E}-01$ | $3.21 \mathrm{E}-01$ |
| Dichlorophenol, 3,4- | 95-77-2 | $6.70 \mathrm{E}-01$ | n | --- | --- | --- | $6.70 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $8.79 \mathrm{E}-01$ |
| Dichlorophenol, 3,5- | 591-35-5 | 7.82E-01 | n | --- | --- | --- | 7.82E-01 | $2.81 \mathrm{E}+00$ | $1.08 \mathrm{E}+00$ |
| Dichlorophenoxyacetic acid, 2,4- (2,4-D) | 94-75-7 | $3.92 \mathrm{E}+00$ | n | --- | --- | --- | $3.92 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $6.74 \mathrm{E}+00$ |
| Dichlorophenoxy, 2,4- butyric acid, 4- (2,4-DB) | 94-82-6 | $9.53 \mathrm{E}-01$ | n | --- | --- | --- | $9.53 \mathrm{E}-01$ | $7.49 \mathrm{E}+00$ | $1.09 \mathrm{E}+00$ |
| Dichloroprop (2-(2,4-dichlorophenoxy) propanoic acid) | 120-36-5 | $2.13 \mathrm{E}+00$ | n | --- | --- | --- | $2.13 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $2.76 \mathrm{E}+00$ |
| Dichloropropane, 1,2- | 78-87-5 | $1.86 \mathrm{E}-01$ | c | 1.86E-01 | 7.65E-01 | $2.46 \mathrm{E}-01$ | $2.92 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $4.46 \mathrm{E}+01$ |
| Dichloropropane, 1,3- | 142-28-9 | $1.29 \mathrm{E}-01$ | c | $1.29 \mathrm{E}-01$ | $5.20 \mathrm{E}-01$ | $1.71 \mathrm{E}-01$ | $9.88 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.52 \mathrm{E}+01$ |
| Dichloropropane, 2,2- | 594-20-7 | $1.63 \mathrm{E}-01$ | c | $1.63 \mathrm{E}-01$ | $7.65 \mathrm{E}-01$ | $2.07 \mathrm{E}-01$ | $2.60 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $3.76 \mathrm{E}+01$ |
| Dichloropropanol, 2,3- | 616-23-9 | $2.38 \mathrm{E}+00$ | n | --- | --- | --- | $2.38 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | $1.57 \mathrm{E}+01$ |
| Dichloropropene, 1,1- | 563-58-6 | $6.22 \mathrm{E}-02$ | c | 6.22E-02 | $5.20 \mathrm{E}-01$ | 7.06E-02 | $5.13 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $6.28 \mathrm{E}+00$ |
| Dichloropropene, 1,3-(mixed isomers) | 542-75-6 | $2.08 \mathrm{E}-01$ | c | $2.08 \mathrm{E}-01$ | $5.20 \mathrm{E}-01$ | 3.46E-01 | $1.47 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | $3.07 \mathrm{E}+01$ |
| Dichloropropene, cis 1,3- | 10061-01-5 | $4.63 \mathrm{E}-02$ | c | $4.63 \mathrm{E}-02$ | $9.63 \mathrm{E}-02$ | 8.91E-02 | 5.65E-02 | $9.36 \mathrm{E}-02$ | $1.43 \mathrm{E}-01$ |
| Dichloropropene, trans 1,3- | 10061-02-6 | $2.50 \mathrm{E}-01$ | c | $2.50 \mathrm{E}-01$ | $5.20 \mathrm{E}-01$ | $4.81 \mathrm{E}-01$ | $1.70 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | $4.28 \mathrm{E}+01$ |
| Dichlorvos | 62-73-7 | $1.32 \mathrm{E}-01$ | c | $1.32 \mathrm{E}-01$ | $1.79 \mathrm{E}-01$ | $4.98 \mathrm{E}-01$ | $3.84 \mathrm{E}-01$ | $4.68 \mathrm{E}-01$ | $2.14 \mathrm{E}+00$ |
| Dicrotophos (bidrin) | 141-66-2 | $9.29 \mathrm{E}-02$ | n | --- | --- | --- | $9.29 \mathrm{E}-02$ | $9.36 \mathrm{E}-02$ | $1.28 \mathrm{E}+01$ |
| Dicyclopentadiene | 77-73-6 | $2.26 \mathrm{E}+00$ | n | --- | --- | --- | $2.26 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $2.46 \mathrm{E}+00$ |
| Diethanolamine | 111-42-2 | $4.67 \mathrm{E}-01$ | n | --- | --- | --- | $4.67 \mathrm{E}-01$ | $4.68 \mathrm{E}-01$ | $1.74 \mathrm{E}+02$ |
| Diethyl phthalate | 84-66-2 | $3.07 \mathrm{E}+02$ | n | --- | --- | --- | $3.07 \mathrm{E}+02$ | $7.49 \mathrm{E}+02$ | $5.20 \mathrm{E}+02$ |
| Diethylene glycol | 111-46-6 | $1.86 \mathrm{E}+03$ | n | --- | --- | --- | $1.86 \mathrm{E}+03$ | $1.87 \mathrm{E}+03$ | $2.17 \mathrm{E}+05$ |
| Diethylene glycol monobutyl ether | 112-34-5 | $7.11 \mathrm{E}+01$ | n | --- | --- | --- | $7.11 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $4.56 \mathrm{E}+02$ |
| Diisopropyl ether (2,2'-oxybis-propane) | 108-20-3 | $3.20 \mathrm{E}+01$ | n | --- | --- | --- | $3.20 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $4.86 \mathrm{E}+01$ |
| Dimethenamid | 87674-68-8 | $1.19 \mathrm{E}+01$ | n | --- | --- | --- | $1.19 \mathrm{E}+01$ | $1.40 \mathrm{E}+01$ | $7.98 \mathrm{E}+01$ |
| Dimethoate | 60-51-5 | $1.80 \mathrm{E}-01$ | n | --- | --- | --- | $1.80 \mathrm{E}-01$ | $1.87 \mathrm{E}-01$ | $4.97 \mathrm{E}+00$ |
| Dimethoxybenzidine, 3,3'- | 119-90-4 | $1.98 \mathrm{E}+00$ | c | $1.98 \mathrm{E}+00$ | $3.71 \mathrm{E}+00$ | $4.24 \mathrm{E}+00$ | --- | --- | --- |
| Dimethylbenzidine, 3,3'- | 119-93-7 | $1.04 \mathrm{E}-03$ | c | $1.04 \mathrm{E}-03$ | 5.65E-03 | $1.27 \mathrm{E}-03$ | --- | --- | --- |
| Dimethylnaphthalene, 1,3- | 575-41-7 | $1.18 \mathrm{E}+00$ | n | --- | --- | --- | $1.18 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $1.22 \mathrm{E}+00$ |
| Dimethyl phenol, 2,4- | 105-67-9 | $4.74 \mathrm{E}+00$ | n | --- | --- | --- | $4.74 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $6.35 \mathrm{E}+00$ |
| Dimethylphenethylamine, alpha, alpha- | 122-09-8 | $8.26 \mathrm{E}-01$ | n | --- | --- | --- | $8.26 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.48 \mathrm{E}+00$ |
| Dimethylphthalate | 131-11-3 | $5.40 \mathrm{E}+02$ | n | --- | --- | --- | $5.40 \mathrm{E}+02$ | $7.49 \mathrm{E}+02$ | $1.94 \mathrm{E}+03$ |
| Di-n-butyl phthalate | 84-74-2 | $4.49 \mathrm{E}+00$ | n | --- | --- | --- | $4.49 \mathrm{E}+00$ | $9.36 \mathrm{E}+01$ | $4.72 \mathrm{E}+00$ |
| Dinitrobenzene, 1,3-(dinitrobenzene, 2,4-) | 99-65-0 | $6.42 \mathrm{E}-02$ | n | --- | --- | --- | $6.42 \mathrm{E}-02$ | $9.36 \mathrm{E}-02$ | $2.05 \mathrm{E}-01$ |
| Dinitrobenzene, 1,4- | 100-25-4 | $2.57 \mathrm{E}-01$ | n | --- | --- | --- | $2.57 \mathrm{E}-01$ | 3.74E-01 | 8.19E-01 |
| Dinitro-2-methylphenol, 4,6-(dinitro-0-cresol, 4, 6-) | 534-52-1 | $1.10 \mathrm{E}+00$ | n | --- | --- | --- | $1.10 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $2.68 \mathrm{E}+00$ |
| Dinitrophenol, 2,4- | 51-28-5 | $1.27 \mathrm{E}+00$ | n | --- | --- | --- | $1.27 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $3.99 \mathrm{E}+00$ |
| Dinitrophenol, 2,5- | 329-71-5 | $6.61 \mathrm{E}-01$ | n | --- | --- | --- | $6.61 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.02 \mathrm{E}+00$ |
| Dinitrotoluene, 2,4- | 121-14-2 | $3.00 \mathrm{E}-02$ | c | 3.00E-02 | $7.65 \mathrm{E}-02$ | 4.93E-02 | $9.64 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.99 \mathrm{E}+00$ |
| Dinitrotoluene, 2,6- | 606-20-2 | $3.00 \mathrm{E}-02$ | c | 3.00E-02 | 7.65E-02 | 4.93E-02 | $4.82 \mathrm{E}-01$ | $9.36 \mathrm{E}-01$ | $9.94 \mathrm{E}-01$ |
| Dinoseb | 88-85-7 | $1.32 \mathrm{E}-01$ | n | --- | --- | --- | $1.32 \mathrm{E}-01$ | 9.36E-01 | $1.53 \mathrm{E}-01$ |
| Dioxane 1,4- | 123-91-1 | $4.37 \mathrm{E}+00$ | c | $4.37 \mathrm{E}+00$ | $4.73 \mathrm{E}+00$ | 5.71E+01 | --- | --- | --- |
| Diphenylamine | 122-39-4 | $3.57 \mathrm{E}+00$ | n | --- | --- | --- | $3.57 \mathrm{E}+00$ | $2.34 \mathrm{E}+01$ | $4.21 \mathrm{E}+00$ |
| Diphenylhydrazine, 1,2- | 122-66-7 | $9.57 \mathrm{E}-03$ | c | $9.57 \mathrm{E}-03$ | $6.50 \mathrm{E}-02$ | 1.12E-02 | --- | --- | --- |
| Diphenyl oxide | 101-84-8 | $2.37 \mathrm{E}-01$ | n | --- | --- | --- | $2.37 \mathrm{E}-01$ | $5.80 \mathrm{E}+00$ | $2.47 \mathrm{E}-01$ |
| Diquat | 85-00-7 | $2.06 \mathrm{E}+00$ | n | --- | --- | --- | $2.06 \mathrm{E}+00$ | $2.06 \mathrm{E}+00$ | $1.28 \mathrm{E}+04$ |
| Disodium iminodiacetate (iminodiacetic acid, disodium salt) | 28-72-3/ 142-73 | $9.29 \mathrm{E}+00$ | n | --- | --- | --- | $9.29 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $1.36 \mathrm{E}+03$ |
| Disulfoton | 298-04-4 | $5.00 \mathrm{E}-03$ | n | --- | --- | --- | $5.00 \mathrm{E}-03$ | $3.74 \mathrm{E}-02$ | $5.77 \mathrm{E}-03$ |
| Diuron | 330-54-1 | $7.81 \mathrm{E}-01$ | n | --- | --- | --- | $7.81 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.34 \mathrm{E}+00$ |
| Endosulfan | 115-29-7 | $1.53 \mathrm{E}+00$ | n | --- | --- | --- | $1.53 \mathrm{E}+00$ | $5.62 \mathrm{E}+00$ | $2.09 \mathrm{E}+00$ |
| Endosulfan I | 959-98-8 | $8.42 \mathrm{E}-02$ | n | -- | --- | --- | $8.42 \mathrm{E}-02$ | $1.87 \mathrm{E}+00$ | 8.82E-02 |
| Endosulfan II | 33213-65-9 | $2.53 \mathrm{E}-01$ | n | --- | --- | --- | $2.53 \mathrm{E}-01$ | $5.62 \mathrm{E}+00$ | $2.65 \mathrm{E}-01$ |
| Endothall | 145-73-3 | $1.30 \mathrm{E}+01$ | n | --- | --- | --- | $1.30 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $4.30 \mathrm{E}+01$ |
| Endrin | 72-20-8 | $7.47 \mathrm{E}-03$ | n | --- | --- | --- | $7.47 \mathrm{E}-03$ | $2.81 \mathrm{E}-01$ | $7.68 \mathrm{E}-03$ |
| Endrin ketone | 53494-70-5 | 8.89E-03 | n | --- | --- | --- | 8.89E-03 | $2.81 \mathrm{E}-01$ | $9.18 \mathrm{E}-03$ |
| Epichlorohydrin | 106-89-8 | $1.56 \mathrm{E}+00$ | n | $3.94 \mathrm{E}+00$ | $5.25 \mathrm{E}+00$ | $1.58 \mathrm{E}+01$ | $1.56 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $9.28 \mathrm{E}+00$ |
| EPN (o-ethyl o-(4-nitrophenyl)phenylphosphonothioate) | 2104-64-5 | $1.72 \mathrm{E}-03$ | n | --- | --- | --- | $1.72 \mathrm{E}-03$ | $9.36 \mathrm{E}-03$ | $2.11 \mathrm{E}-03$ |
| Ethalfluralin (sonolan) | 55283-68-6 | $1.79 \mathrm{E}-02$ | c | 1.79E-02 | $5.84 \mathrm{E}-01$ | 1.84E-02 | $1.85 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $1.95 \mathrm{E}+00$ |
| Ethanol | 64-17-5 | $2.73 \mathrm{E}+04$ | n | --- | --- | --- | $2.73 \mathrm{E}+04$ | 3.09E+04 | $2.38 \mathrm{E}+05$ |
| Ethion | 563-12-2 | $3.52 \mathrm{E}-02$ | n | --- | --- | --- | $3.52 \mathrm{E}-02$ | $4.68 \mathrm{E}-01$ | $3.81 \mathrm{E}-02$ |
| Ethoprop | 13194-48-4 | $2.54 \mathrm{E}-02$ | n | 3.42E-01 | $1.85 \mathrm{E}+00$ | $4.19 \mathrm{E}-01$ | $2.54 \mathrm{E}-02$ | $9.36 \mathrm{E}-02$ | $3.49 \mathrm{E}-02$ |
| Ethoxy ethanol, 2- | 110-80-5 | $3.59 \mathrm{E}+02$ | n | --- | --- | --- | $3.59 \mathrm{E}+02$ | $3.74 \mathrm{E}+02$ | $8.80 \mathrm{E}+03$ |
| Ethyl acetate | 141-78-6 | $6.46 \mathrm{E}+02$ | n | --- | --- | --- | $6.46 \mathrm{E}+02$ | $8.42 \mathrm{E}+02$ | $2.78 \mathrm{E}+03$ |
| Ethyl acrylate | 140-88-5 | 6.18E-01 | c | 6.18E-01 | $1.08 \mathrm{E}+00$ | $1.44 \mathrm{E}+00$ | --- | --- | --- |
| Ethyl benzene | 100-41-4 | $1.28 \mathrm{E}+01$ | n | --- | --- | --- | $1.28 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.49 \mathrm{E}+01$ |
| Ethyl dipropylthiocarbamate, S- | 759-94-4 | $5.56 \mathrm{E}+00$ | n | --- | --- | --- | $5.56 \mathrm{E}+00$ | $2.34 \mathrm{E}+01$ | $7.29 \mathrm{E}+00$ |
| Ethylenediamine | 107-15-3 | $1.85 \mathrm{E}+01$ | n | --- | --- | --- | $1.85 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $1.97 \mathrm{E}+03$ |
| Ethylene dibromide (dibromoethane, 1,2-) | 106-93-4 | $2.83 \mathrm{E}-04$ | c | $2.83 \mathrm{E}-04$ | $6.12 \mathrm{E}-04$ | 5.28E-04 | --- | --- | --- |
| Ethylene glycol | 107-21-1 | $1.84 \mathrm{E}+03$ | n | --- | --- | --- | $1.84 \mathrm{E}+03$ | $1.87 \mathrm{E}+03$ | $1.07 \mathrm{E}+05$ |
| Ethylenimine | 151-56-4 | $6.57 \mathrm{E}-04$ | c | $6.57 \mathrm{E}-04$ | $8.00 \mathrm{E}-04$ | $3.68 \mathrm{E}-03$ | --- | --- | --- |
| Ethylene oxide | 75-21-8 | $4.23 \mathrm{E}-02$ | c | $4.23 \mathrm{E}-02$ | $5.10 \mathrm{E}-02$ | $2.49 \mathrm{E}-01$ | --- | --- | --- |
| Ethylene thiourea | 96-45-7 | $7.24 \mathrm{E}-02$ | n | $4.48 \mathrm{E}-01$ | $4.73 \mathrm{E}-01$ | $8.56 \mathrm{E}+00$ | 7.24E-02 | 7.49E-02 | $2.23 \mathrm{E}+00$ |

Tier 1 Contact Recreation Water PCLs ${ }^{1}$

| Chemical of Concern | CAS |  |  | Carcinogenic |  |  | Noncarcinogenic |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} { }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | note ${ }^{3}$ | $\begin{gathered} { }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2}(\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\text {RW }} \text { RW }_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}^{2}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\\|^{{ }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2}}(\mathrm{mg} / \mathrm{L})$ | $\begin{gathered} { }^{\mathrm{RW}_{\mathrm{RW}}^{\text {Ing }}} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \\ \hline \end{gathered}$ |
| Ethyl ether | 60-29-7 | $1.28 \mathrm{E}+02$ | n | --- | --- | --- | $1.28 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $4.02 \mathrm{E}+02$ |
| Ethyl-1-hexanol, 2- | 104-76-7 | $3.31 \mathrm{E}+01$ | n | --- | --- | --- | $3.31 \mathrm{E}+01$ | $1.40 \mathrm{E}+02$ | $4.33 \mathrm{E}+01$ |
| Ethyl-2-hexenal, 2- | 645-62-5 | $3.60 \mathrm{E}+01$ | n | --- | --- | -- | $3.60 \mathrm{E}+01$ | $1.40 \mathrm{E}+02$ | $4.85 \mathrm{E}+01$ |
| Ethylhexyl acrylate, 2- | 103-11-7 | $3.85 \mathrm{E}-02$ | c | 3.85E-02 | $1.08 \mathrm{E}+00$ | 3.99E-02 | --- | --- | --- |
| Ethyl methacrylate | 97-63-2 | $4.42 \mathrm{E}+01$ | n | --- | --- | ---- | 4.42E+01 | $8.42 \mathrm{E}+01$ | $9.28 \mathrm{E}+01$ |
| Ethyl methanesulfonate | 62-50-0 | $5.07 \mathrm{E}-01$ | c | $5.07 \mathrm{E}-01$ | 5.25E-01 | $1.43 \mathrm{E}+01$ | --- | --- | --- |
| Ethyl-2-methyl benzene, 1- | 611-14-3 | $1.52 \mathrm{E}+01$ | n | --- | --- | --- | $1.52 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $1.66 \mathrm{E}+01$ |
| Ethyl-4-methyl benzene, 1- | 622-96-8 | $1.43 \mathrm{E}+01$ | n | --- | --- | --- | $1.43 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $1.54 \mathrm{E}+01$ |
| Ethyl tert-butyl ether (2-ethyl-2-ethoxypropane) | 637-92-3 | $4.22 \mathrm{E}-01$ | n | --- | --- | --- | $4.22 \mathrm{E}-01$ | $9.36 \mathrm{E}-01$ | $7.69 \mathrm{E}-01$ |
| Famphur | 52-85-7 | $2.57 \mathrm{E}-02$ | n | --- | --- | --- | $2.57 \mathrm{E}-02$ | $2.81 \mathrm{E}-02$ | $3.00 \mathrm{E}-01$ |
| Fensulfothion | 115-90-2 | 7.02E-01 | n | --- | --- | --- | 7.02E-01 | $9.36 \mathrm{E}-01$ | $2.80 \mathrm{E}+00$ |
| Fenthion | 55-38-9 | $2.27 \mathrm{E}-02$ | n | --- | --- | --- | $2.27 \mathrm{E}-02$ | $6.55 \mathrm{E}-02$ | $3.48 \mathrm{E}-02$ |
| Fluorene | 86-73-7 | $2.11 \mathrm{E}+00$ | n | --- | --- | --- | $2.11 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $2.23 \mathrm{E}+00$ |
| Fluorine (soluble fluoride) | 7782-41-4 | $4.96 \mathrm{E}+01$ | n | --- | --- | --- | $4.96 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $4.25 \mathrm{E}+02$ |
| Fluorochloridone | 61213-25-0 | $2.20 \mathrm{E}+00$ | n | --- | --- | --- | $2.20 \mathrm{E}+00$ | $7.02 \mathrm{E}+00$ | $3.21 \mathrm{E}+00$ |
| Fonofos | 944-22-9 | $1.76 \mathrm{E}-01$ | n | --- | --- | --- | $1.76 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.94 \mathrm{E}-01$ |
| Formaldehyde | 50-00-0 | $1.48 \mathrm{E}+02$ | n | --- | --- | --- | $1.48 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $7.04 \mathrm{E}+02$ |
| Formic acid | 64-18-6 | $1.76 \mathrm{E}+03$ | n | --- | --- | --- | $1.76 \mathrm{E}+03$ | $1.87 \mathrm{E}+03$ | $2.90 \mathrm{E}+04$ |
| Furan | 110-00-9 | $5.21 \mathrm{E}-01$ | n | --- | --- | --- | $5.21 \mathrm{E}-01$ | $9.36 \mathrm{E}-01$ | $1.17 \mathrm{E}+00$ |
| Furfural | 98-01-1 | $2.22 \mathrm{E}+00$ | n | --- | --- | --- | $2.22 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | $1.06 \mathrm{E}+01$ |
| Glycidylaldehyde | 765-34-4 | 3.46E-01 | n | --- | --- | --- | 3.46E-01 | 3.74E-01 | $4.61 \mathrm{E}+00$ |
| Glyphosate | 1071-83-6 | $8.27 \mathrm{E}+01$ | n | --- | --- | --- | $8.27 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $7.09 \mathrm{E}+02$ |
| Heptachlor epoxide | 1024-57-3 | $2.20 \mathrm{E}-04$ | c | $2.20 \mathrm{E}-04$ | $5.71 \mathrm{E}-03$ | $2.28 \mathrm{E}-04$ | $7.51 \mathrm{E}-04$ | $1.22 \mathrm{E}-02$ | $8.01 \mathrm{E}-04$ |
| Heptanoic acid, n- | 111-14-8 | $8.06 \mathrm{E}+01$ | n | --- | --- | --- | $8.06 \mathrm{E}+01$ | $4.68 \mathrm{E}+02$ | $9.73 \mathrm{E}+01$ |
| Hexachlorobutadiene | 87-68-3 | $6.90 \mathrm{E}-03$ | n | 1.51E-02 | $6.67 \mathrm{E}-01$ | $1.55 \mathrm{E}-02$ | $6.90 \mathrm{E}-03$ | $1.87 \mathrm{E}-01$ | 7.16E-03 |
| Hexachlorocyclohexane, alpha (alpha-BHC) | 319-84-6 | $4.42 \mathrm{E}-04$ | c | $4.42 \mathrm{E}-04$ | 8.25E-03 | $4.67 \mathrm{E}-04$ | 6.38E-01 | $7.49 \mathrm{E}+00$ | $6.98 \mathrm{E}-01$ |
| Hexachlorocyclohexane, beta (beta-BHC) | 319-85-7 | $1.55 \mathrm{E}-03$ | c | $1.55 \mathrm{E}-03$ | $2.89 \mathrm{E}-02$ | $1.64 \mathrm{E}-03$ | --- | --- | --- |
| Hexachlorocyclohexane, delta (delta-BHC) | 319-86-8 | $2.23 \mathrm{E}-03$ | c | 2.23E-03 | 2.89E-02 | $2.42 \mathrm{E}-03$ | 3.41E-02 | $2.81 \mathrm{E}-01$ | 3.88E-02 |
| Hexachlorocyclohexane, gamma (lindane; gamma-BHC) | 58-89-9 | $2.14 \mathrm{E}-03$ | c | $2.14 \mathrm{E}-03$ | $4.00 \mathrm{E}-02$ | $2.26 \mathrm{E}-03$ | $2.39 \mathrm{E}-02$ | $2.81 \mathrm{E}-01$ | $2.62 \mathrm{E}-02$ |
| Hexachlorocyclohexane, techn (technical-BHC) | 608-73-1 | $1.55 \mathrm{E}-03$ | c | $1.55 \mathrm{E}-03$ | $2.89 \mathrm{E}-02$ | $1.64 \mathrm{E}-03$ | --- | --- | --- |
| Hexachlorocyclopentadiene (HCCPD) | 77-47-4 | $2.56 \mathrm{E}-01$ | n | --- | --- | --- | $2.56 \mathrm{E}-01$ | $5.62 \mathrm{E}+00$ | $2.69 \mathrm{E}-01$ |
| Hexachloropropylene | 1888-71-7 | $7.81 \mathrm{E}-02$ | n | 1.94E-01 | $3.71 \mathrm{E}+00$ | $2.05 \mathrm{E}-01$ | 7.81E-02 | $9.36 \mathrm{E}-01$ | $8.52 \mathrm{E}-02$ |
| Hexane, n- | 110-54-3 | $4.79 \mathrm{E}+00$ | n | --- | --- | --- | $4.79 \mathrm{E}+00$ | $5.62 \mathrm{E}+01$ | $5.24 \mathrm{E}+00$ |
| Hexanediol, 1,6- | 629-11-8 | $3.92 \mathrm{E}+03$ | n | --- | --- | --- | $3.92 \mathrm{E}+03$ | $4.68 \mathrm{E}+03$ | $2.40 \mathrm{E}+04$ |
| Hexanoic acid | 142-62-1 | $2.52 \mathrm{E}+01$ | n | --- | --- | --- | $2.52 \mathrm{E}+01$ | 5.99E+01 | $4.36 \mathrm{E}+01$ |
| Hexanone, 2- | 591-78-6 | $3.34 \mathrm{E}+01$ | n | --- | --- | --- | $3.34 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $8.25 \mathrm{E}+01$ |
| Hexazinone | 51235-04-2 | $1.98 \mathrm{E}+01$ | n | --- | --- | --- | $1.98 \mathrm{E}+01$ | 3.09E+01 | $5.51 \mathrm{E}+01$ |
| Hexylene glycol (2-methyl-2,4-pentanediol) | 107-41-5 | $2.53 \mathrm{E}+02$ | n | --- | --- | --- | $2.53 \mathrm{E}+02$ | $2.81 \mathrm{E}+02$ | $2.54 \mathrm{E}+03$ |
| Hydrazine | 302-01-2 | $1.69 \mathrm{E}-02$ | c | 1.69E-02 | 1.73E-02 | $6.40 \mathrm{E}-01$ | --- | --- | --- |
| Indene | 95-13-6 | $3.65 \mathrm{E}+00$ | n | --- | --- | --- | $3.65 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $4.54 \mathrm{E}+00$ |
| Isobutyl alcohol | 78-83-1 | $2.15 \mathrm{E}+02$ | n | --- | --- | --- | $2.15 \mathrm{E}+02$ | $2.81 \mathrm{E}+02$ | $9.24 \mathrm{E}+02$ |
| Isobutyric acid (2-methylpropanoic acid) | 79-31-2 | $3.19 \mathrm{E}+02$ | n | --- | --- | --- | $3.19 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $1.00 \mathrm{E}+03$ |
| Isophorone | 78-59-1 | $1.04 \mathrm{E}+01$ | c | $1.04 \mathrm{E}+01$ | $5.47 \mathrm{E}+01$ | $1.28 \mathrm{E}+01$ | $5.20 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $7.20 \mathrm{E}+01$ |
| Isopropyl acetate | 108-21-4 | $4.59 \mathrm{E}+01$ | n | --- | --- | --- | $4.59 \mathrm{E}+01$ | $6.55 \mathrm{E}+01$ | $1.53 \mathrm{E}+02$ |
| Isopropyl alcohol | 67-63-0 | $1.51 \mathrm{E}+02$ | n | --- | --- | --- | $1.51 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $7.91 \mathrm{E}+02$ |
| Isosafrole | 120-58-1 | $3.64 \mathrm{E}-02$ | c | 3.64E-02 | $2.36 \mathrm{E}-01$ | $4.30 \mathrm{E}-02$ | --- | --- | --- |
| Kelthane (dicofol) | 115-32-2 | $2.33 \mathrm{E}-01$ | n | --- | --- | --- | 2.33E-01 | $5.62 \mathrm{E}+00$ | $2.44 \mathrm{E}-01$ |
| Kepone (chlordecone) | 143-50-0 | $2.32 \mathrm{E}-04$ | c | 2.32E-04 | $3.25 \mathrm{E}-03$ | $2.49 \mathrm{E}-04$ | $5.25 \mathrm{E}-02$ | $4.68 \mathrm{E}-01$ | $5.92 \mathrm{E}-02$ |
| Lithium | 7439-93-2 | $1.65 \mathrm{E}+01$ | $n$ | --- | --- | --- | $1.65 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $1.42 \mathrm{E}+02$ |
| Malathion | 121-75-5 | $1.32 \mathrm{E}+01$ | n | --- | --- | --- | $1.32 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $4.50 \mathrm{E}+01$ |
| Maleic anhydride | 108-31-6 | $5.05 \mathrm{E}+01$ | n | --- | --- | --- | $5.05 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.10 \mathrm{E}+02$ |
| Maleic hydrazide | 123-33-1 | $4.60 \mathrm{E}+02$ | n | --- | --- | --- | $4.60 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $2.82 \mathrm{E}+04$ |
| Malononitrile | 109-77-3 | $1.73 \mathrm{E}-02$ | n | --- | --- | --- | $1.73 \mathrm{E}-02$ | $1.87 \mathrm{E}-02$ | $2.37 \mathrm{E}-01$ |
| Mancozeb | 8018-01-7 | $2.45 \mathrm{E}+01$ | n | --- | --- | --- | $2.45 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | $1.90 \mathrm{E}+02$ |
| Manganese | 7439-96-5 | $4.09 \mathrm{E}+01$ | n | --- | --- | --- | $4.09 \mathrm{E}+01$ | $1.31 \mathrm{E}+02$ | $5.96 \mathrm{E}+01$ |
| MCPA (4-(chloro-2-methylphenoxy) acetic acid) | 94-74-6 | $7.65 \mathrm{E}-02$ | n | --- | --- | --- | $7.65 \mathrm{E}-02$ | $4.68 \mathrm{E}-01$ | $9.14 \mathrm{E}-02$ |
| MCPP (2-(4-chloro-2-methylphenoxy) propanoic acid) | 085-19-0/ 93-65 | $2.25 \mathrm{E}-01$ | n | --- | --- | --- | $2.25 \mathrm{E}-01$ | $9.36 \mathrm{E}-01$ | $2.95 \mathrm{E}-01$ |
| Mercury | 39-97-6/ 7487-9 | $9.73 \mathrm{E}-02$ | n | --- | --- | --- | $9.73 \mathrm{E}-02$ | $2.81 \mathrm{E}-01$ | $1.49 \mathrm{E}-01$ |
| Methacrylic acid (2-methyl-2-propenoic acid) | 79-41-4 | $4.59 \mathrm{E}+00$ | n | --- | --- | --- | $4.59 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $9.01 \mathrm{E}+00$ |
| Methacrylonitrile | 126-98-7 | $7.08 \mathrm{E}-02$ | n | --- | --- | --- | 7.08E-02 | $9.36 \mathrm{E}-02$ | $2.90 \mathrm{E}-01$ |
| Methanol | 67-56-1 | $4.42 \mathrm{E}+02$ | n | --- | --- | --- | $4.42 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $8.00 \mathrm{E}+03$ |
| Methapyrilene | 91-80-5 | $2.22 \mathrm{E}-03$ | c | $2.22 \mathrm{E}-03$ | 1.11E-02 | $2.77 \mathrm{E}-03$ | --- | --- | --- |
| Methomyl | 16752-77-5 | $2.12 \mathrm{E}+01$ | $n$ | --- | --- | --- | 2.12E+01 | $2.34 \mathrm{E}+01$ | $2.29 \mathrm{E}+02$ |
| Methoxychlor | 72-43-5 | 7.19E-02 | n | --- | --- | --- | $7.19 \mathrm{E}-02$ | $4.68 \mathrm{E}+00$ | $7.30 \mathrm{E}-02$ |
| Methyl acetate (acetic acid, methyl ester) | 79-20-9 | 8.22E+02 | n | --- | --- | --- | $8.22 \mathrm{E}+02$ | $9.36 \mathrm{E}+02$ | $6.78 \mathrm{E}+03$ |
| Methyl acrylate | 96-33-3 | $1.49 \mathrm{E}+00$ | n | --- | --- | --- | $1.49 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $7.41 \mathrm{E}+00$ |
| Methyl amyl ketone (2-heptanone) | 110-43-0 | $1.99 \mathrm{E}+01$ | n | --- | --- | --- | $1.99 \mathrm{E}+01$ | $4.68 \mathrm{E}+01$ | $3.46 \mathrm{E}+01$ |
| Methyl-1-butene, 2- | 563-46-2 | $8.37 \mathrm{E}+00$ | n | --- | --- | --- | $8.37 \mathrm{E}+00$ | $5.62 \mathrm{E}+01$ | $9.83 \mathrm{E}+00$ |
| Methyl-2-butene, 2- | 513-35-9 | $8.88 \mathrm{E}+00$ | n | --- | --- | --- | $8.88 \mathrm{E}+00$ | $5.62 \mathrm{E}+01$ | $1.06 \mathrm{E}+01$ |
| Methyl cyclohexane | 108-87-2 | $1.57 \mathrm{E}+02$ | n | --- | --- | --- | $1.57 \mathrm{E}+02$ | $4.68 \mathrm{E}+03$ | $1.63 \mathrm{E}+02$ |
| Methylene-bis (2-chloroaniline) 4,4'- | 101-14-4 | $5.55 \mathrm{E}-02$ | c | 5.55E-02 | $4.00 \mathrm{E}-01$ | $6.44 \mathrm{E}-02$ | $1.37 \mathrm{E}-01$ | $6.55 \mathrm{E}-01$ | $1.74 \mathrm{E}-01$ |
| Methylene bromide (dibromomethane) | 74-95-3 | $4.30 \mathrm{E}+00$ | c | $4.30 \mathrm{E}+00$ | $6.93 \mathrm{E}+00$ | $1.13 \mathrm{E}+01$ | $4.10 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $1.51 \mathrm{E}+02$ |
| Methylene chloride (dichloromethane) | 75-09-2 | $3.37 \mathrm{E}+00$ | c | $3.37 \mathrm{E}+00$ | $6.93 \mathrm{E}+00$ | $6.55 \mathrm{E}+00$ | $3.42 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $8.73 \mathrm{E}+01$ |
| Methyl ethyl ketone (2-butanone) | 78-93-3 | $4.91 \mathrm{E}+02$ | n | --- | --- | --- | $4.91 \mathrm{E}+02$ | $5.62 \mathrm{E}+02$ | $3.92 \mathrm{E}+03$ |
| Methyl iodide (iodomethane) | 74-88-4 | $8.70 \mathrm{E}-01$ | n | --- | --- | --- | $8.70 \mathrm{E}-01$ | $1.31 \mathrm{E}+00$ | $2.59 \mathrm{E}+00$ |
| Methyl isobutyl ketone (4-methyl-2-pentanone) | 108-10-1 | $5.27 \mathrm{E}+01$ | n | --- | --- | --- | $5.27 \mathrm{E}+01$ | $7.49 \mathrm{E}+01$ | $1.78 \mathrm{E}+02$ |
| Methyl mercury | 22967-92-6 | $8.27 \mathrm{E}-02$ | n | --- | --- | --- | $8.27 \mathrm{E}-02$ | $9.36 \mathrm{E}-02$ | $7.09 \mathrm{E}-01$ |

Tier 1 Contact Recreation Water PCLs ${ }^{1}$

| Chemical of Concern | CAS |  |  | Carcinogenic |  |  | Noncarcinogenic |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | ${ }_{(\mathrm{mg} / \mathrm{L})}^{\mathrm{Tot}}{ }^{\text {RW Comb }}{ }^{2}$ | note ${ }^{3}$ |  | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \\ \hline \end{gathered}$ | $\begin{array}{\|c} \hline{ }^{\text {Tot }} \begin{array}{c} \text { RW Comb } \\ (\mathrm{mg} / \mathrm{L}) \end{array}{ }^{2} \\ \hline \end{array}$ | $\begin{gathered} { }^{R W} \text { RW }_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{{ }^{\mathrm{RW}}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ |
| Methylmecury hydroxide | 1184-57-2 | $9.33 \mathrm{E}-02$ | n | --- | --- | --- | $9.33 \mathrm{E}-02$ | $9.36 \mathrm{E}-02$ | $2.93 \mathrm{E}+01$ |
| Methyl methacrylate | 80-62-6 | $8.75 \mathrm{E}+02$ | n | --- | --- | --- | $8.75 \mathrm{E}+02$ | $1.31 \mathrm{E}+03$ | $2.63 \mathrm{E}+03$ |
| Methyl methanesulfonate | 66-27-3 | $5.08 \mathrm{E}-01$ | c | 5.08E-01 | $5.25 \mathrm{E}-01$ | $1.57 \mathrm{E}+01$ | --- | --- | --- |
| Methylnaphthalene, 1- | 90-12-0 | $4.80 \mathrm{E}+00$ | n | --- | --- | --- | $4.80 \mathrm{E}+00$ | $6.55 \mathrm{E}+01$ | $5.18 \mathrm{E}+00$ |
| Methylnaphthalene, 2- | 91-57-6 | $2.76 \mathrm{E}-01$ | n | --- | --- | --- | $2.76 \mathrm{E}-01$ | $3.74 \mathrm{E}+00$ | $2.98 \mathrm{E}-01$ |
| Methyl-5-nitroaniline, 2- (5-nitro-o-toluidine) | 99-55-8 | $6.65 \mathrm{E}-01$ | c | 6.65E-01 | $1.58 \mathrm{E}+00$ | $1.15 \mathrm{E}+00$ | --- | --- | --- |
| Methyl parathion | 298-00-0 | $1.02 \mathrm{E}-01$ | n | --- | --- | --- | $1.02 \mathrm{E}-01$ | $2.34 \mathrm{E}-01$ | $1.81 \mathrm{E}-01$ |
| Methyl-2-pentenal, 2- | 623-36-9 | $1.04 \mathrm{E}-02$ | c | $1.04 \mathrm{E}-02$ | $2.74 \mathrm{E}-02$ | 1.68E-02 | --- | --- | --- |
| Methyl-1-propanal, 2-(isobutyraldehyde) | 78-84-2 | $2.83 \mathrm{E}+01$ | n | --- | --- | --- | $2.83 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $1.16 \mathrm{E}+02$ |
| Methylpyrrolidone, N - | 872-50-4 | $1.74 \mathrm{E}+01$ | n | --- | --- | --- | $1.74 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $2.53 \mathrm{E}+02$ |
| Methyltetrahydrofuran, 2- | 96-47-9 | $3.98 \mathrm{E}+00$ | c | $3.98 \mathrm{E}+00$ | $6.84 \mathrm{E}+00$ | $9.53 \mathrm{E}+00$ | $1.30 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $4.29 \mathrm{E}+02$ |
| Methyltetrahydropyran, 2- | 10141-72-7 | $3.12 \mathrm{E}+00$ | c | 3.12E+00 | $6.84 \mathrm{E}+00$ | $5.75 \mathrm{E}+00$ | $1.09 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $2.59 \mathrm{E}+02$ |
| Metolachlor | 51218-45-2 | $5.81 \mathrm{E}+01$ | n | --- | --- | --- | $5.81 \mathrm{E}+01$ | $1.40 \mathrm{E}+02$ | $9.92 \mathrm{E}+01$ |
| Metribuzin | 21087-64-9 | $2.23 \mathrm{E}+01$ | n | --- | --- | --- | $2.23 \mathrm{E}+01$ | $2.34 \mathrm{E}+01$ | $4.89 \mathrm{E}+02$ |
| Molinate | 2212-67-1 | $5.00 \mathrm{E}-01$ | n | --- | --- | --- | $5.00 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $6.82 \mathrm{E}-01$ |
| Molybdenum | 7439-98-7 | $3.47 \mathrm{E}+00$ | n | --- | --- | --- | $3.47 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $1.35 \mathrm{E}+01$ |
| Morpholine | 110-91-8 | $4.58 \mathrm{E}+05$ | n | --- | --- | --- | $4.58 \mathrm{E}+05$ | $4.68 \mathrm{E}+05$ | $2.16 \mathrm{E}+07$ |
| MTBE (methyl tert-butyl ether) | 1634-04-4 | $5.47 \mathrm{E}+00$ | n | $1.33 \mathrm{E}+01$ | $2.89 \mathrm{E}+01$ | $2.47 \mathrm{E}+01$ | $5.47 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $1.32 \mathrm{E}+01$ |
| Naled | 300-76-5 | $1.69 \mathrm{E}+00$ | n | --- | --- | --- | $1.69 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $1.76 \mathrm{E}+01$ |
| Naphthalene | 91-20-3 | $2.55 \mathrm{E}+00$ | n | --- | --- | --- | $2.55 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $2.95 \mathrm{E}+00$ |
| Naphthoquinone, 1,4- | 130-15-4 | $4.65 \mathrm{E}+00$ | n | --- | --- | --- | $4.65 \mathrm{E}+00$ | $6.55 \mathrm{E}+00$ | $1.61 \mathrm{E}+01$ |
| Naphthylamine, 1- | 134-32-7 | $5.25 \mathrm{E}+00$ | n | --- | --- | --- | $5.25 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $7.29 \mathrm{E}+00$ |
| Naphthylamine, 2- | 91-59-8 | $4.74 \mathrm{E}-03$ | c | 4.74E-03 | $2.89 \mathrm{E}-02$ | $5.67 \mathrm{E}-03$ | --- | --- | --- |
| Napropamide | 15299-99-7 | $1.30 \mathrm{E}+01$ | n | --- | --- | --- | $1.30 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $1.52 \mathrm{E}+01$ |
| Neopentyl glycol | 126-30-7 | $2.56 \mathrm{E}+02$ | n | --- | --- | --- | $2.56 \mathrm{E}+02$ | $2.81 \mathrm{E}+02$ | $2.90 \mathrm{E}+03$ |
| Nickel | 7440-02-0 | $1.13 \mathrm{E}+01$ | n | --- | --- | --- | 1.13E+01 | $1.87 \mathrm{E}+01$ | $2.84 \mathrm{E}+01$ |
| Nitrate | 14797-55-8 | $1.32 \mathrm{E}+03$ | n | --- | --- | --- | $1.32 \mathrm{E}+03$ | $1.50 \mathrm{E}+03$ | $1.13 \mathrm{E}+04$ |
| Nitrite | 14797-65-0 | $8.27 \mathrm{E}+01$ | n | --- | --- | --- | $8.27 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | $7.09 \mathrm{E}+02$ |
| Nitroaniline, 2- | 88-74-4 | $1.36 \mathrm{E}-01$ | n | --- | --- | --- | $1.36 \mathrm{E}-01$ | $2.81 \mathrm{E}-01$ | $2.65 \mathrm{E}-01$ |
| Nitroaniline, 3- | 99-09-2 | $1.77 \mathrm{E}-01$ | n | $6.97 \mathrm{E}-01$ | $1.37 \mathrm{E}+00$ | $1.42 \mathrm{E}+00$ | $1.77 \mathrm{E}-01$ | $2.81 \mathrm{E}-01$ | $4.80 \mathrm{E}-01$ |
| Nitroaniline, 4- | 100-01-6 | $9.66 \mathrm{E}-01$ | c | $9.66 \mathrm{E}-01$ | $1.37 \mathrm{E}+00$ | $3.29 \mathrm{E}+00$ | $2.24 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | $1.11 \mathrm{E}+01$ |
| Nitrobenzene | 98-95-3 | $2.48 \mathrm{E}-01$ | n | --- | --- | --- | $2.48 \mathrm{E}-01$ | $4.68 \mathrm{E}-01$ | 5.26E-01 |
| Nitroglycerin | 55-63-0 | $4.30 \mathrm{E}-02$ | n | $2.00 \mathrm{E}+00$ | $3.71 \mathrm{E}+00$ | $4.31 \mathrm{E}+00$ | $4.30 \mathrm{E}-02$ | $6.55 \mathrm{E}-02$ | $1.25 \mathrm{E}-01$ |
| Nitrophenol, 2- | 88-75-5 | $6.86 \mathrm{E}-01$ | n | --- | --- | --- | 6.86E-01 | $1.87 \mathrm{E}+00$ | $1.08 \mathrm{E}+00$ |
| Nitrophenol, 3- | 554-84-7 | $9.46 \mathrm{E}-01$ | n | --- | --- | --- | $9.46 \mathrm{E}-01$ | $1.87 \mathrm{E}+00$ | $1.91 \mathrm{E}+00$ |
| Nitrophenol, 4- | 100-02-7 | $1.12 \mathrm{E}+00$ | n | --- | --- | --- | $1.12 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $2.76 \mathrm{E}+00$ |
| Nitroquinoline-N-oxide, 4- | 56-57-5 | $4.32 \mathrm{E}-03$ | c | $4.32 \mathrm{E}-03$ | 5.53E-03 | $1.96 \mathrm{E}-02$ | --- | --- | --- |
| Nitrosodiethanolamine, N - | 1116-54-7 | $1.83 \mathrm{E}-02$ | c | $1.83 \mathrm{E}-02$ | $1.86 \mathrm{E}-02$ | $1.52 \mathrm{E}+00$ | --- | --- | --- |
| Nitrosodiethylamine, N - | 55-18-5 | $2.90 \mathrm{E}-04$ | c | $2.90 \mathrm{E}-04$ | 3.47E-04 | $1.77 \mathrm{E}-03$ | --- | --- | --- |
| Nitrosodimethylamine, N - | 62-75-9 | $9.62 \mathrm{E}-04$ | c | $9.62 \mathrm{E}-04$ | $1.02 \mathrm{E}-03$ | $1.72 \mathrm{E}-02$ | --- | --- | --- |
| Nitrosodi-n-propylamine, N - | 621-64-7 | $1.98 \mathrm{E}-03$ | c | $1.98 \mathrm{E}-03$ | 7.43E-03 | $2.70 \mathrm{E}-03$ | --- | --- | --- |
| Nitrosodiphenylamine, N - | 86-30-6 | $4.21 \mathrm{E}-01$ | c | $4.21 \mathrm{E}-01$ | $1.06 \mathrm{E}+01$ | $4.38 \mathrm{E}-01$ | --- | --- | --- |
| Nitroso-methyl-ethyl-amine, N - | 10595-95-6 | $2.13 \mathrm{E}-03$ | c | $2.13 \mathrm{E}-03$ | $2.36 \mathrm{E}-03$ | $2.20 \mathrm{E}-02$ | --- | --- | --- |
| Nitrosomorpholine, N - | 59-89-2 | 7.67E-03 | c | $7.67 \mathrm{E}-03$ | 7.76E-03 | $6.33 \mathrm{E}-01$ | --- | --- | --- |
| Nitroso-N-ethylurea, N - | 759-73-9 | $3.39 \mathrm{E}-04$ | c | 3.39E-04 | $3.71 \mathrm{E}-04$ | 3.85E-03 | --- | --- | --- |
| Nitrosopiperidine, N - | 100-75-4 | $4.20 \mathrm{E}-03$ | c | $4.20 \mathrm{E}-03$ | 5.53E-03 | $1.75 \mathrm{E}-02$ | --- | --- | --- |
| Nitrosopyrrolidine, N - | 930-55-2 | 2.12E-02 | c | 2.12E-02 | $2.48 \mathrm{E}-02$ | 1.47E-01 | --- | --- | --- |
| Nitrotoluene, m- | 99-08-1 | $3.37 \mathrm{E}+00$ | n | --- | --- | --- | $3.37 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $5.25 \mathrm{E}+00$ |
| Nitrotoluene, o- | 88-72-2 | $3.37 \mathrm{E}+00$ | n | --- | --- | --- | $3.37 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $5.25 \mathrm{E}+00$ |
| Nitrotoluene, p- | 99-99-0 | $3.37 \mathrm{E}+00$ | n | --- | --- | --- | $3.37 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $5.25 \mathrm{E}+00$ |
| Nonanal | 124-19-6 | $1.84 \mathrm{E}+01$ | n | --- | --- | --- | $1.84 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $2.04 \mathrm{E}+01$ |
| Octamethylpyrophosphoramide | 152-16-9 | $1.86 \mathrm{E}+00$ | n | --- | --- | --- | $1.86 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $5.06 \mathrm{E}+02$ |
| Octanone | 106-68-3 | $1.48 \mathrm{E}+01$ | n | --- | --- | --- | $1.48 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $2.00 \mathrm{E}+01$ |
| Oxamyl | 23135-22-0 | $2.33 \mathrm{E}+01$ | n | --- | --- | --- | $2.33 \mathrm{E}+01$ | $2.34 \mathrm{E}+01$ | $5.50 \mathrm{E}+03$ |
| Paraquat | 1910-42-5 | $3.72 \mathrm{E}+00$ | n | --- | --- | --- | $3.72 \mathrm{E}+00$ | $4.21 \mathrm{E}+00$ | $3.19 \mathrm{E}+01$ |
| Parathion (ethyl parathion) | 56-38-2 | $9.69 \mathrm{E}-01$ | n | --- | --- | --- | 9.69E-01 | $5.62 \mathrm{E}+00$ | $1.17 \mathrm{E}+00$ |
| Pebulate | 1114-71-2 | $6.65 \mathrm{E}+00$ | n | --- | --- | --- | $6.65 \mathrm{E}+00$ | $4.68 \mathrm{E}+01$ | $7.75 \mathrm{E}+00$ |
| Pentachloroethane | 76-01-7 | $4.65 \mathrm{E}-01$ | c | 4.65E-01 | $2.00 \mathrm{E}+00$ | $6.07 \mathrm{E}-01$ | $9.35 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.40 \mathrm{E}+01$ |
| Pentachloronitrobenzene | 82-68-8 | 3.53E-03 | c | 3.53E-03 | $2.00 \mathrm{E}-01$ | $3.59 \mathrm{E}-03$ | 8.06E-02 | $2.81 \mathrm{E}+00$ | $8.30 \mathrm{E}-02$ |
| Pentachlorophenol | 87-86-5 | $9.92 \mathrm{E}-03$ | c | 9.92E-03 | $4.33 \mathrm{E}-01$ | $1.01 \mathrm{E}-02$ | $1.04 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.08 \mathrm{E}+00$ |
| Pentadiene, 1,3-trans- | 2004-70-8 | $1.24 \mathrm{E}+01$ | n | --- | --- | --- | $1.24 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $1.60 \mathrm{E}+01$ |
| Pentaerythritol tetranitrate (PETN) | 78-11-5 | $6.24 \mathrm{E}+01$ | n | --- | --- | --- | $6.24 \mathrm{E}+01$ | $3.74 \mathrm{E}+02$ | $7.48 \mathrm{E}+01$ |
| Pentane | 109-66-0 | $3.67 \mathrm{E}+01$ | n | --- | --- | --- | $3.67 \mathrm{E}+01$ | $6.55 \mathrm{E}+02$ | $3.89 \mathrm{E}+01$ |
| Pentanediol, 1,5- | 111-29-5 | $4.31 \mathrm{E}+03$ | n | --- | --- | --- | $4.31 \mathrm{E}+03$ | $4.68 \mathrm{E}+03$ | $5.40 \mathrm{E}+04$ |
| Pentanone, 2- | 107-87-9 | $2.62 \mathrm{E}+01$ | n | --- | --- | --- | $2.62 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $8.78 \mathrm{E}+01$ |
| Pentyne, 1- | 627-19-0 | $1.31 \mathrm{E}+01$ | n | --- | --- | --- | $1.31 \mathrm{E}+01$ | $5.62 \mathrm{E}+01$ | $1.71 \mathrm{E}+01$ |
| Perchlorate | 14797-73-0 | $3.95 \mathrm{E}-01$ | n | --- | --- | --- | 3.95E-01 | $6.55 \mathrm{E}-01$ | $9.93 \mathrm{E}-01$ |
| Phenacetin | 62-44-2 | $1.55 \mathrm{E}+01$ | c | $1.55 \mathrm{E}+01$ | $2.36 \mathrm{E}+01$ | $4.48 \mathrm{E}+01$ | --- | --- | --- |
| Phenanthrene | 85-01-8 | $1.07 \mathrm{E}+00$ | n | --- | --- | --- | $1.07 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.11 \mathrm{E}+00$ |
| Phenanthridine | 229-87-8 | $4.49 \mathrm{E}-01$ | n | --- | --- | --- | $4.49 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $5.34 \mathrm{E}-01$ |
| Phenol | 108-95-2 | $1.60 \mathrm{E}+02$ | n | --- | --- | --- | $1.60 \mathrm{E}+02$ | $2.81 \mathrm{E}+02$ | $3.71 \mathrm{E}+02$ |
| Phenylene diamine, m- | 108-45-2 | $5.42 \mathrm{E}+00$ | n | --- | --- | --- | $5.42 \mathrm{E}+00$ | $5.62 \mathrm{E}+00$ | $1.53 \mathrm{E}+02$ |
| Phenylene diamine, p- | 106-50-3 | $1.72 \mathrm{E}+02$ | n | --- | --- | --- | $1.72 \mathrm{E}+02$ | $1.78 \mathrm{E}+02$ | $4.84 \mathrm{E}+03$ |
| Phenyl mercuric acetate | 62-38-4 | $7.15 \mathrm{E}-02$ | n | --- | --- | --- | 7.15E-02 | $7.49 \mathrm{E}-02$ | $1.57 \mathrm{E}+00$ |
| Phorate | 298-02-2 | $4.29 \mathrm{E}-02$ | n | --- | --- | --- | $4.29 \mathrm{E}-02$ | $1.87 \mathrm{E}-01$ | $5.56 \mathrm{E}-02$ |
| Phosalone | 2310-17-0 | $8.46 \mathrm{E}-01$ | n | --- | --- | --- | 8.46E-01 | $1.87 \mathrm{E}+00$ | $1.55 \mathrm{E}+00$ |
| Phosdrin (mevinphos) | 7786-34-7 | $2.32 \mathrm{E}-02$ | n | --- | --- | --- | $2.32 \mathrm{E}-02$ | $2.34 \mathrm{E}-02$ | $2.66 \mathrm{E}+00$ |

Tier 1 Contact Recreation Water PCLs ${ }^{1}$

| Chemical of Concern | CAS |  |  | Carcinogenic |  |  | Noncarcinogenic |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} { }^{\text {Tot }} \text { RW Comb }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | note ${ }^{3}$ | $\begin{gathered} { }^{\text {Tot }} \mathbf{R W}_{\text {Comb }}{ }^{2} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Ing }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{{ }^{\mathrm{RW}} \text { RW Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\left.\right\|^{{ }^{\text {Tot }} \mathrm{RW}_{\text {Comb }}{ }^{2}}(\mathrm{mg} / \mathrm{L}) \text { 2 }$ | $\begin{gathered} { }^{\mathrm{RW}_{\mathrm{RW}}^{\text {Ing }}} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ | $\begin{gathered} { }^{\mathrm{RW}} \mathrm{RW}_{\text {Derm }} \\ (\mathrm{mg} / \mathrm{L}) \end{gathered}$ |
| Phosmet | 732-11-6 | $1.64 \mathrm{E}+01$ | n | --- | --- | --- | $1.64 \mathrm{E}+01$ | $1.87 \mathrm{E}+01$ | $1.32 \mathrm{E}+02$ |
| Phosphine | 7803-51-2 | $1.69 \mathrm{E}-01$ | n | --- | --- | --- | $1.69 \mathrm{E}-01$ | $2.81 \mathrm{E}-01$ | $4.25 \mathrm{E}-01$ |
| Phosphorus, white | 7723-14-0 | $1.13 \mathrm{E}-02$ | n | --- | --- | --- | $1.13 \mathrm{E}-02$ | $1.87 \mathrm{E}-02$ | $2.84 \mathrm{E}-02$ |
| Phthalic anhydride | 85-44-9 | $9.13 \mathrm{E}+02$ | n | --- | --- | --- | $9.13 \mathrm{E}+02$ | $1.87 \mathrm{E}+03$ | $1.78 \mathrm{E}+03$ |
| Picloram | 1918-02-1 | $2.19 \mathrm{E}+01$ | n | --- | --- | --- | $2.19 \mathrm{E}+01$ | $6.55 \mathrm{E}+01$ | $3.30 \mathrm{E}+01$ |
| Picoline, 2- (2-methylpyridine) | 109-06-8 | $5.47 \mathrm{E}+00$ | n | --- | --- | --- | $5.47 \mathrm{E}+00$ | $8.42 \mathrm{E}+00$ | $1.56 \mathrm{E}+01$ |
| Polybrominated biphenyls (PBBs) | 67774-32-7 | $1.11 \mathrm{E}-04$ | c | 1.11E-04 | $5.84 \mathrm{E}-03$ | $1.14 \mathrm{E}-04$ | $2.03 \mathrm{E}-04$ | $6.55 \mathrm{E}-03$ | $2.10 \mathrm{E}-04$ |
| Primene | 68955-53-3 | 3.18E-01 | n | --- | --- | --- | 3.18E-01 | $5.62 \mathrm{E}+00$ | $3.37 \mathrm{E}-01$ |
| Prometon (pramitol) | 1610-18-0 | $4.66 \mathrm{E}+00$ | n | --- | --- | --- | $4.66 \mathrm{E}+00$ | $1.40 \mathrm{E}+01$ | $6.97 \mathrm{E}+00$ |
| Pronamide | 23950-58-5 | $1.22 \mathrm{E}+01$ | n | --- | --- | --- | $1.22 \mathrm{E}+01$ | 7.02E+01 | $1.48 \mathrm{E}+01$ |
| Propanal (propionaldehyde) | 123-38-6 | $6.31 \mathrm{E}+00$ | n | --- | --- | --- | $6.31 \mathrm{E}+00$ | $7.49 \mathrm{E}+00$ | $4.00 \mathrm{E}+01$ |
| Propanil | 709-98-8 | $1.36 \mathrm{E}+00$ | n | --- | --- | --- | $1.36 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $1.92 \mathrm{E}+00$ |
| Propanoic acid (propionic acid) | 79-09-4 | $3.90 \mathrm{E}+02$ | n | --- | --- | --- | $3.90 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $2.32 \mathrm{E}+03$ |
| Propanol, 1- | 71-23-8 | $1.46 \mathrm{E}+02$ | n | --- | --- | --- | $1.46 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $6.59 \mathrm{E}+02$ |
| Propargite | 2312-35-8 | $4.38 \mathrm{E}+00$ | n | --- | --- | --- | $4.38 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $5.72 \mathrm{E}+00$ |
| Propargyl alcohol | 107-19-7 | $1.76 \mathrm{E}+00$ | n | --- | --- | --- | $1.76 \mathrm{E}+00$ | $1.87 \mathrm{E}+00$ | $3.06 \mathrm{E}+01$ |
| Propazine | 139-40-2 | $1.76 \mathrm{E}-01$ | c | 1.76E-01 | $1.17 \mathrm{E}+00$ | $2.07 \mathrm{E}-01$ | $4.22 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $5.45 \mathrm{E}+00$ |
| Propham | 122-42-9 | $6.23 \mathrm{E}+00$ | n | --- | --- | --- | $6.23 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $9.34 \mathrm{E}+00$ |
| Propionitrile (propane nitrile) | 107-12-0 | $3.25 \mathrm{E}-01$ | n | --- | --- | --- | $3.25 \mathrm{E}-01$ | 3.74E-01 | $2.46 \mathrm{E}+00$ |
| Propyl acetate, n- | 109-60-4 | $5.71 \mathrm{E}+01$ | n | --- | --- | --- | $5.71 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $1.77 \mathrm{E}+02$ |
| Propylbenzene, n- | 103-65-1 | $2.35 \mathrm{E}+00$ | n | --- | --- | --- | $2.35 \mathrm{E}+00$ | $3.74 \mathrm{E}+01$ | $2.50 \mathrm{E}+00$ |
| Propylene glycol | 57-55-6 | $1.83 \mathrm{E}+04$ | n | --- | --- | --- | $1.83 \mathrm{E}+04$ | $1.87 \mathrm{E}+04$ | $8.16 \mathrm{E}+05$ |
| Propylene glycol monomethyl ether | 107-98-2 | $6.29 \mathrm{E}+02$ | n | --- | --- | --- | $6.29 \mathrm{E}+02$ | $6.55 \mathrm{E}+02$ | $1.59 \mathrm{E}+04$ |
| Propylene oxide | 75-56-9 | $1.81 \mathrm{E}-01$ | c | 1.81E-01 | $2.17 \mathrm{E}-01$ | $1.11 \mathrm{E}+00$ | --- | --- | --- |
| Propylene tetramer | 6842-15-5 | $9.36 \mathrm{E}+01$ | n | --- | --- | --- | $9.36 \mathrm{E}+01$ | $9.36 \mathrm{E}+01$ | --- |
| Pyridine | 110-86-1 | $7.17 \mathrm{E}-01$ | n | --- | --- | --- | 7.17E-01 | $9.36 \mathrm{E}-01$ | $3.07 \mathrm{E}+00$ |
| Quinoline | 91-22-5 | $5.28 \mathrm{E}-03$ | c | 5.28E-03 | 1.73E-02 | 7.59E-03 | --- | --- | --- |
| Ronnel | 299-84-3 | $2.04 \mathrm{E}+00$ | n | --- | --- | --- | $2.04 \mathrm{E}+00$ | $4.68 \mathrm{E}+01$ | $2.13 \mathrm{E}+00$ |
| Safrole | 94-59-7 | $3.16 \mathrm{E}-02$ | c | 3.16E-02 | $2.36 \mathrm{E}-01$ | 3.65E-02 | --- | --- | --- |
| Selenium | 7782-49-2 | $4.13 \mathrm{E}+00$ | n | --- | --- | --- | $4.13 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $3.55 \mathrm{E}+01$ |
| Selenourea | 630-10-4 | $4.68 \mathrm{E}+00$ | n | --- | --- | --- | $4.68 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | --- |
| Silver | 7440-22-4 | $1.57 \mathrm{E}+00$ | n | --- | --- | --- | $1.57 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $2.36 \mathrm{E}+00$ |
| Simazine | 122-34-9 | $1.18 \mathrm{E}-01$ | c | $1.18 \mathrm{E}-01$ | $4.33 \mathrm{E}-01$ | $1.62 \mathrm{E}-01$ | $1.78 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $2.87 \mathrm{E}+00$ |
| Sodium diethyldithiocarbamate | 148-18-5 | $1.93 \mathrm{E}-01$ | c | $1.93 \mathrm{E}-01$ | $1.93 \mathrm{E}-01$ | --- | $2.81 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | --- |
| Sodium polyacrylate | 9003-04-7 | $3.93 \mathrm{E}+02$ | n | --- | --- | --- | $3.93 \mathrm{E}+02$ | $4.68 \mathrm{E}+02$ | $2.47 \mathrm{E}+03$ |
| Strontium | 7440-24-6 | $3.38 \mathrm{E}+02$ | n | --- | --- | --- | $3.38 \mathrm{E}+02$ | $5.62 \mathrm{E}+02$ | $8.51 \mathrm{E}+02$ |
| Strychnine | 57-24-9 | $2.33 \mathrm{E}-01$ | n | --- | --- | --- | $2.33 \mathrm{E}-01$ | $2.81 \mathrm{E}-01$ | $1.35 \mathrm{E}+00$ |
| Styrene | 100-42-5 | $2.98 \mathrm{E}+01$ | n | --- | --- | --- | $2.98 \mathrm{E}+01$ | $1.87 \mathrm{E}+02$ | $3.55 \mathrm{E}+01$ |
| Sulfolane | 126-33-0 | $1.84 \mathrm{E}-02$ | n | --- | --- | --- | $1.84 \mathrm{E}-02$ | $1.87 \mathrm{E}-02$ | $1.07 \mathrm{E}+00$ |
| Tebuconazole | 107534-96-3 | $2.81 \mathrm{E}+01$ | n | --- | --- | --- | $2.81 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | --- |
| Tebuthiuron | 34014-18-1 | $6.55 \mathrm{E}+01$ | n | --- | --- | --- | $6.55 \mathrm{E}+01$ | $6.55 \mathrm{E}+01$ | --- |
| Terbufos | 13071-79-9 | $2.15 \mathrm{E}-03$ | n | --- | --- | --- | $2.15 \mathrm{E}-03$ | $2.34 \mathrm{E}-02$ | $2.36 \mathrm{E}-03$ |
| Tert-amyl-methyl ether (TAME) | 994-05-8 | $1.60 \mathrm{E}+01$ | n | --- | --- | --- | $1.60 \mathrm{E}+01$ | 3.74E+01 | $2.79 \mathrm{E}+01$ |
| Tert-butyl alcohol (2-methyl-2-propanol) | 75-65-0 | $6.63 \mathrm{E}+01$ | n | --- | --- | --- | $6.63 \mathrm{E}+01$ | $8.42 \mathrm{E}+01$ | $3.12 \mathrm{E}+02$ |
| Tetrachlorobenzene, 1,2,3,4- | 634-66-2 | 8.15E-03 | n | --- | --- | --- | 8.15E-03 | $2.81 \mathrm{E}-01$ | $8.39 \mathrm{E}-03$ |
| Tetrachlorobenzene, 1,2,3,5- | 634-90-2 | 7.99E-03 | n | --- | --- | --- | 7.99E-03 | $2.81 \mathrm{E}-01$ | $8.22 \mathrm{E}-03$ |
| Tetrachlorobenzene, 1,2,4,5- | 95-94-3 | $9.70 \mathrm{E}-03$ | n | --- | --- | --- | $9.70 \mathrm{E}-03$ | $2.81 \mathrm{E}-01$ | $1.00 \mathrm{E}-02$ |
| Tetrachloroethane, 1,1,1,2- | 630-20-6 | 3.12E-01 | c | 3.12E-01 | $2.00 \mathrm{E}+00$ | $3.70 \mathrm{E}-01$ | $6.55 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $8.55 \mathrm{E}+00$ |
| Tetrachloroethane, 1,1,2,2- | 79-34-5 | $9.38 \mathrm{E}-02$ | c | $9.38 \mathrm{E}-02$ | $2.60 \mathrm{E}-01$ | $1.47 \mathrm{E}-01$ | $1.80 \mathrm{E}+01$ | $3.74 \mathrm{E}+01$ | $3.48 \mathrm{E}+01$ |
| Tetrachloroethylene (perchlorethylene) | 127-18-4 | $1.48 \mathrm{E}-01$ | c | $1.48 \mathrm{E}-01$ | $1.00 \mathrm{E}+00$ | $1.74 \mathrm{E}-01$ | $2.08 \mathrm{E}+00$ | $9.36 \mathrm{E}+00$ | $2.68 \mathrm{E}+00$ |
| Tetrachlorophenol, 2,3,4,5- | 4901-51-3 | $1.35 \mathrm{E}+00$ | n | --- | --- | --- | $1.35 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.42 \mathrm{E}+00$ |
| Tetrachlorophenol, 2,3,4,6- | 58-90-2 | $2.13 \mathrm{E}+00$ | n | --- | --- | --- | $2.13 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $2.31 \mathrm{E}+00$ |
| Tetrachlorophenol, 2,3,5,6- | 935-95-5 | $1.17 \mathrm{E}+00$ | n | --- | --- | --- | $1.17 \mathrm{E}+00$ | $2.81 \mathrm{E}+01$ | $1.22 \mathrm{E}+00$ |
| Tetradifon | 116-29-0 | $2.61 \mathrm{E}+00$ | n | --- | --- | --- | $2.61 \mathrm{E}+00$ | $1.87 \mathrm{E}+01$ | $3.04 \mathrm{E}+00$ |
| Tetraethyl dithiopyrophosphate (sulfotep) | 3689-24-5 | $6.95 \mathrm{E}-02$ | n | --- | --- | --- | $6.95 \mathrm{E}-02$ | $4.68 \mathrm{E}-01$ | 8.16E-02 |
| Tetraethyl lead | 78-00-2 | 3.99E-06 | n | --- | --- | --- | 3.99E-06 | $9.36 \mathrm{E}-05$ | $4.17 \mathrm{E}-06$ |
| Tetrahydrofuran | 109-99-9 | $4.84 \mathrm{E}+00$ | c | $4.84 \mathrm{E}+00$ | $6.84 \mathrm{E}+00$ | $1.66 \mathrm{E}+01$ | $1.50 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $7.48 \mathrm{E}+02$ |
| Tetrahydropyran | 142-68-7 | $4.06 \mathrm{E}+00$ | c | $4.06 \mathrm{E}+00$ | $6.84 \mathrm{E}+00$ | $9.97 \mathrm{E}+00$ | $1.32 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $4.49 \mathrm{E}+02$ |
| Thallium and compounds (as thallium chloride) | 7791-12-0 | $6.61 \mathrm{E}-02$ | n | --- | --- | --- | $6.61 \mathrm{E}-02$ | $7.49 \mathrm{E}-02$ | $5.67 \mathrm{E}-01$ |
| Thiofanox | 39196-18-4 | $1.65 \mathrm{E}-01$ | n | --- | --- | --- | $1.65 \mathrm{E}-01$ | $2.81 \mathrm{E}-01$ | $3.99 \mathrm{E}-01$ |
| Thionazin | 297-97-2 | $4.30 \mathrm{E}-02$ | n | --- | --- | --- | $4.30 \mathrm{E}-02$ | $6.55 \mathrm{E}-02$ | $1.25 \mathrm{E}-01$ |
| Thiophanate-methyl | 23564-05-8 | $6.71 \mathrm{E}+01$ | n | --- | --- | --- | $6.71 \mathrm{E}+01$ | $7.49 \mathrm{E}+01$ | $6.44 \mathrm{E}+02$ |
| Thiram | 137-26-8 | $3.58 \mathrm{E}+00$ | n | --- | --- | --- | $3.58 \mathrm{E}+00$ | $4.68 \mathrm{E}+00$ | $1.53 \mathrm{E}+01$ |
| Tin | 7440-31-5 | 2.42E+02 | n | --- | --- | --- | 2.42E+02 | $5.62 \mathrm{E}+02$ | $4.25 \mathrm{E}+02$ |
| Titanium | 7440-32-6 | $8.67 \mathrm{E}+04$ | n | --- | --- | --- | $8.67 \mathrm{E}+04$ | $4.68 \mathrm{E}+05$ | $1.06 \mathrm{E}+05$ |
| Toluene | 108-88-3 | $1.65 \mathrm{E}+01$ | n | --- | --- | --- | $1.65 \mathrm{E}+01$ | 7.49E+01 | $2.11 \mathrm{E}+01$ |
| Toluenediamine, 2,4- | 95-80-7 | $1.45 \mathrm{E}-02$ | c | 1.45E-02 | $1.62 \mathrm{E}-02$ | 1.34E-01 | --- | --- | --- |
| Toluenediamine, 2,6- | 823-40-5 | $1.74 \mathrm{E}+02$ | n | --- | --- | --- | $1.74 \mathrm{E}+02$ | $1.87 \mathrm{E}+02$ | $2.55 \mathrm{E}+03$ |
| Toluidine, o- | 95-53-4 | $9.53 \mathrm{E}-02$ | c | $9.53 \mathrm{E}-02$ | $2.17 \mathrm{E}-01$ | 1.70E-01 | --- | --- | --- |
| Toluidine, p- | 106-49-0 | $1.19 \mathrm{E}-01$ | c | $1.19 \mathrm{E}-01$ | $2.74 \mathrm{E}-01$ | 2.12E-01 | --- | --- | --- |
| TP Silvex, 2,4,5- | 93-72-1 | $1.23 \mathrm{E}+00$ | n | --- | --- | --- | $1.23 \mathrm{E}+00$ | $7.49 \mathrm{E}+00$ | $1.47 \mathrm{E}+00$ |
| Triademenol | 55219-65-3 | $2.81 \mathrm{E}+01$ | n | --- | --- | --- | $2.81 \mathrm{E}+01$ | $2.81 \mathrm{E}+01$ | --- |
| Triallate | 2303-17-5 | $7.29 \mathrm{E}-01$ | n | --- | --- | --- | $7.29 \mathrm{E}-01$ | $1.22 \mathrm{E}+01$ | $7.75 \mathrm{E}-01$ |
| Triaminotrinitrobenzene (TATB) | 3058-38-6 | $1.58 \mathrm{E}+00$ | c | $1.58 \mathrm{E}+00$ | $1.73 \mathrm{E}+00$ | $1.77 \mathrm{E}+01$ | $2.65 \mathrm{E}+00$ | $2.81 \mathrm{E}+00$ | 4.73E+01 |
| Tributyltin oxide | 56-35-9 | $1.70 \mathrm{E}-02$ | n | --- | --- | --- | $1.70 \mathrm{E}-02$ | $2.81 \mathrm{E}-01$ | $1.81 \mathrm{E}-02$ |
| Trichlorobenzene, 1,2,3- | 87-61-6 | $1.71 \mathrm{E}-01$ | n | --- | --- | --- | $1.71 \mathrm{E}-01$ | $2.81 \mathrm{E}+00$ | $1.82 \mathrm{E}-01$ |
| Trichlorobenzene, 1,2,4- | 120-82-1 | $6.50 \mathrm{E}-01$ | n | --- | --- | --- | $6.50 \mathrm{E}-01$ | $9.36 \mathrm{E}+00$ | $6.99 \mathrm{E}-01$ |

