

US EPA ARCHIVE DOCUMENT

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 1 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|---------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                 |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                 |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E-01 | note 2         | note 3  | note 2          | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  |
| Acrylonitrile                   | 107-13-1  | 4E-08              | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-06        | < 1E-01 | 3E-05          | 0.5     | 3E-05          | 0.5     | < 1E-08        | < 1E-01 |
| Aniline                         | 62-53-3   | note 2             | < 1E-01 | < 1E-08        | note 3  | < 1E-08         | note 3  | 2E-07          | note 3  | 6E-05          | note 3  | 6E-05          | note 3  | < 1E-08        | note 3  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Benzene                         | 71-43-2   | 5E-07              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 1E-06          | note 3  | 1E-05          | note 3  | 1E-05          | note 3  | < 1E-08        | note 3  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-06        | note 3  | < 1E-06        | note 3  | < 1E-08        | note 3  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.06    | note 2         | 5       | note 2         | 5       | note 2         | < 1E-01 |
| Chlorobenzene                   | 108-90-7  | note 2             | 0.07    | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.1     | note 2         | < 1E+00 | note 2         | 6       | note 2         | < 1E-01 |
| Chloroform                      | 67-66-3   | 9E-07              | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 5E-07          | 0.06    | 6E-06          | 2       | 2E-05          | 2       | < 1E-08        | < 1E-01 |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Ethylene dibromide              | 106-93-4  | 6E-10              | < 1E-01 | < 1E-08        | note 3  | < 1E-08         | note 3  | 3E-06          | note 3  | 9E-06          | note 3  | 5E-05          | note 3  | < 1E-08        | note 3  |
| Lead                            | 7439-92-1 | note 1             | note 1  | note 1         | note 1  | note 1          | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+00 | note 2         | < 1E-01 |
| Methylene chloride              | 75-09-2   | 5E-09              | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 7E-07          | 0.006   | 7E-06          | 0.04    | 7E-06          | 0.5     | < 1E-08        | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.1     | note 2         | 7       | note 2         | 7       | note 2         | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Phenol                          | 108-95-2  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Pyridine                        | 110-86-1  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Silver                          | 7440-22-4 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                    | CASRN     | Protection Group 1 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|----------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                  |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                  |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Tetrachloroethylene              | 127-18-4  | 4E-09              | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 3E-06          | 0.03    | < 5E-06        | < 1E-01 | < 1E-05        | < 1E-01 | < 1E-08        | < 1E-01 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Thiram                           | 137-26-8  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.06    | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.4     | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethylene                | 79-01-6   | 7E-09              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 8E-07          | note 3  | 4E-06          | note 3  | 9E-06          | note 3  | < 1E-08        | note 3  |
| Vinyl chloride                   | 75-01-4   | 8E-09              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 1E-06          | note 3  | 2E-05          | note 3  | 2E-05          | note 3  | < 1E-08        | note 3  |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 1 |         |             |    |                |         |               |         |                    |         |                   |         |
|---------------------------------|-----------|--------------------|---------|-------------|----|----------------|---------|---------------|---------|--------------------|---------|-------------------|---------|
|                                 |           | Shower Inhalation  |         | Breast Milk |    | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |         | Groundwater Total |         |
|                                 |           | Risk               | HQ      | Risk        | HQ | Risk           | HQ      | Risk          | HQ      | Risk               | HQ      | Risk              | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | note 3  | note 4             | note 4  | note 4            | note 4  |
| Acrylonitrile                   | 107-13-1  | < 1E-08            | < 1E-01 | NA          | NA | 4E-08          | < 1E-01 | < 1E-06       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Aniline                         | 62-53-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | 6E-07         | note 3  | note 4             | note 4  | note 4            | note 4  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Benzene                         | 71-43-2   | < 1E-08            | note 3  | NA          | NA | 5E-07          | note 3  | 1E-06         | note 3  | < 1E-06            | note 4  | < 1E-08           | note 4  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | 0.06    | note 4             | note 4  | note 4            | note 4  |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E-01 | NA          | NA | note 2         | 0.07    | note 2        | 0.09    | note 4             | < 1E-01 | note 4            | < 1E-01 |
| Chloroform                      | 67-66-3   | < 1E-08            | note 3  | NA          | NA | 9E-07          | note 3  | 5E-07         | 0.05    | < 1E-06            | note 4  | < 1E-08           | note 4  |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Ethylene dibromide              | 106-93-4  | < 1E-08            | < 1E-01 | NA          | NA | 6E-10          | < 1E-01 | < 1E-06       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Lead                            | 7439-92-1 | note 1             | note 1  | NA          | NA | note 1         | note 1  | note 1        | note 1  | note 1             | note 1  | note 1            | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | < 1E-01 | note 4            | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Methylene chloride              | 75-09-2   | < 1E-08            | < 1E-01 | NA          | NA | 5E-09          | < 1E-01 | 7E-07         | < 1E-01 | < 1E-06            | 0.006   | < 1E-08           | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | < 1E-01 | note 4            | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Phenol                          | 108-95-2  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Pyridine                        | 110-86-1  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Silver                          | 7440-22-4 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |

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| Chemical Name                    | CASRN     | Protection Group 1 |         |             |         |                |         |               |         |                    |        |                   |        |
|----------------------------------|-----------|--------------------|---------|-------------|---------|----------------|---------|---------------|---------|--------------------|--------|-------------------|--------|
|                                  |           | Shower Inhalation  |         | Breast Milk |         | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |        | Groundwater Total |        |
|                                  |           | Risk               | HQ      | Risk        | HQ      | Risk           | HQ      | Risk          | HQ      | Risk               | HQ     | Risk              | HQ     |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | NA          | < 1E-01 | < 1E-08        | note 3  | < 1E-08       | < 1E-01 | < 1E-08            | note 4 | < 1E-01           | note 4 |
| Tetrachloroethylene              | 127-18-4  | < 1E-08            | note 3  | NA          | NA      | 4E-09          | note 3  | < 1E-06       | 0.03    | < 1E-06            | note 4 | < 1E-08           | note 4 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |
| Thiram                           | 137-26-8  | note 2             | note 3  | NA          | NA      | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4 | note 4            | note 4 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | 0.06    | note 4             | note 4 | note 4            | note 4 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4 | note 4            | note 4 |
| Trichloroethylene                | 79-01-6   | < 1E-08            | note 3  | NA          | NA      | 7E-09          | note 3  | 8E-07         | note 3  | note 4             | note 4 | note 4            | note 4 |
| Vinyl chloride                   | 75-01-4   | < 1E-08            | note 3  | NA          | NA      | 8E-09          | note 3  | < 1E-06       | note 3  | < 1E-06            | note 4 | < 1E-08           | note 4 |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |

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Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 2 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|---------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                 |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                 |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E+00 | note 2         | note 3  | note 2          | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  |
| Acrylonitrile                   | 107-13-1  | 2E-07              | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 1E-06          | < 1E-01 | 5E-05          | 1       | 5E-05          | 1       | < 1E-08        | < 1E-01 |
| Aniline                         | 62-53-3   | note 2             | < 1E+00 | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-06        | note 3  | < 1E-04        | note 3  | < 1E-04        | note 3  | < 1E-08        | note 3  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Benzene                         | 71-43-2   | 5E-07              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 2E-06          | note 3  | 5E-05          | note 3  | 5E-05          | note 3  | < 1E-08        | note 3  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-06        | note 3  | < 1E-06        | note 3  | < 1E-08        | note 3  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.07    | note 2         | 9       | note 2         | 9       | note 2         | < 1E-01 |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E+00 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Chloroform                      | 67-66-3   | 1E-06              | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 5E-07          | 0.01    | 6E-06          | 3       | 3E-05          | 3       | < 1E-08        | < 1E-01 |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Ethylene dibromide              | 106-93-4  | 1E-09              | < 1E-01 | < 1E-08        | note 3  | < 1E-08         | note 3  | 3E-06          | note 3  | 1E-05          | note 3  | 5E-05          | note 3  | < 1E-08        | note 3  |
| Lead                            | 7439-92-1 | note 1             | note 1  | note 1         | note 1  | note 1          | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+00 | note 2         | < 1E-01 |
| Methylene chloride              | 75-09-2   | 9E-09              | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 1E-06          | 0.02    | 2E-05          | 2       | 2E-05          | 2       | < 1E-08        | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E+00 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Phenol                          | 108-95-2  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Pyridine                        | 110-86-1  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Silver                          | 7440-22-4 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                    | CASRN     | Protection Group 2 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|----------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                  |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                  |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Tetrachloroethylene              | 127-18-4  | 5E-09              | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 2E-06          | 0.01    | 7E-06          | 0.4     | 3E-05          | 0.4     | < 1E-08        | < 1E-01 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Thiram                           | 137-26-8  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.05    | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.8     | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethylene                | 79-01-6   | 7E-09              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 4E-07          | note 3  | 5E-06          | note 3  | 1E-05          | note 3  | < 1E-08        | note 3  |
| Vinyl chloride                   | 75-01-4   | 9E-09              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 2E-06          | note 3  | 3E-05          | note 3  | 3E-05          | note 3  | < 1E-08        | note 3  |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 2 |         |             |    |                |         |               |         |                    |         |                   |         |
|---------------------------------|-----------|--------------------|---------|-------------|----|----------------|---------|---------------|---------|--------------------|---------|-------------------|---------|
|                                 |           | Shower Inhalation  |         | Breast Milk |    | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |         | Groundwater Total |         |
|                                 |           | Risk               | HQ      | Risk        | HQ | Risk           | HQ      | Risk          | HQ      | Risk               | HQ      | Risk              | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | note 3  | note 4             | note 4  | note 4            | note 4  |
| Acrylonitrile                   | 107-13-1  | < 1E-08            | < 1E-01 | NA          | NA | 2E-07          | < 1E-01 | < 1E-06       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Aniline                         | 62-53-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | < 1E-06       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Benzene                         | 71-43-2   | < 1E-08            | note 3  | NA          | NA | 5E-07          | note 3  | 1E-06         | note 3  | < 1E-06            | note 4  | < 1E-08           | note 4  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | 0.07    | note 4             | note 4  | note 4            | note 4  |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | < 1E+00 | note 4             | < 1E+00 | note 4            | < 1E-01 |
| Chloroform                      | 67-66-3   | < 1E-08            | note 3  | NA          | NA | 1E-06          | note 3  | 5E-07         | 0.01    | < 1E-06            | note 4  | < 1E-08           | note 4  |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Ethylene dibromide              | 106-93-4  | < 1E-08            | < 1E-01 | NA          | NA | 1E-09          | < 1E-01 | < 1E-06       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Lead                            | 7439-92-1 | note 1             | note 1  | NA          | NA | note 1         | note 1  | note 1        | note 1  | note 1             | note 1  | note 1            | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | < 1E-01 | note 4            | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Methylene chloride              | 75-09-2   | < 1E-08            | < 1E-01 | NA          | NA | 9E-09          | < 1E-01 | 1E-06         | < 1E-01 | < 1E-06            | 0.01    | < 1E-08           | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | < 1E+00 | note 4             | < 1E+00 | note 4            | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Phenol                          | 108-95-2  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Pyridine                        | 110-86-1  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Silver                          | 7440-22-4 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |



Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                    | CASRN     | Protection Group 2 |         |             |         |                |         |               |         |                    |        |                   |        |
|----------------------------------|-----------|--------------------|---------|-------------|---------|----------------|---------|---------------|---------|--------------------|--------|-------------------|--------|
|                                  |           | Shower Inhalation  |         | Breast Milk |         | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |        | Groundwater Total |        |
|                                  |           | Risk               | HQ      | Risk        | HQ      | Risk           | HQ      | Risk          | HQ      | Risk               | HQ     | Risk              | HQ     |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | NA          | < 1E-01 | < 1E-08        | note 3  | < 1E-08       | < 1E-01 | < 1E-08            | note 4 | < 1E-08           | note 4 |
| Tetrachloroethylene              | 127-18-4  | < 1E-08            | note 3  | NA          | NA      | 5E-09          | note 3  | < 1E-06       | 0.007   | < 1E-06            | note 4 | < 1E-08           | note 4 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |
| Thiram                           | 137-26-8  | note 2             | note 3  | NA          | NA      | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4 | note 4            | note 4 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | 0.04    | note 4             | note 4 | note 4            | note 4 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | 0.8     | note 4             | note 4 | note 4            | note 4 |
| Trichloroethylene                | 79-01-6   | < 1E-08            | note 3  | NA          | NA      | 7E-09          | note 3  | 3E-07         | note 3  | note 4             | note 4 | note 4            | note 4 |
| Vinyl chloride                   | 75-01-4   | < 1E-08            | note 3  | NA          | NA      | 9E-09          | note 3  | < 1E-06       | note 3  | < 1E-06            | note 4 | < 1E-08           | note 4 |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 3 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|---------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                 |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                 |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E+00 | note 2         | note 3  | note 2          | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  |
| Acrylonitrile                   | 107-13-1  | 1E-06              | 0.05    | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 9E-06          | 0.1     | 6E-05          | 3       | 6E-05          | 3       | < 1E-08        | < 1E-01 |
| Aniline                         | 62-53-3   | note 2             | < 1E+00 | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-06        | note 3  | < 1E-04        | note 3  | < 1E-04        | note 3  | < 1E-08        | note 3  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Benzene                         | 71-43-2   | < 1E-05            | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-05        | note 3  | < 1E-04        | note 3  | < 1E-04        | note 3  | < 1E-08        | note 3  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-06        | note 3  | < 1E-06        | note 3  | < 1E-08        | note 3  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.07    | note 2         | 9       | note 2         | 9       | note 2         | < 1E-01 |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E+00 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Chloroform                      | 67-66-3   | 8E-06              | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 1E-06          | 0.1     | 1E-05          | 8       | 8E-05          | 8       | < 1E-08        | < 1E-01 |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Ethylene dibromide              | 106-93-4  | 9E-09              | < 1E-01 | < 1E-08        | note 3  | < 1E-08         | note 3  | 1E-05          | note 3  | 2E-05          | note 3  | 6E-05          | note 3  | < 1E-08        | note 3  |
| Lead                            | 7439-92-1 | note 2             | note 1  | note 1         | note 1  | note 1          | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E-01 |
| Methylene chloride              | 75-09-2   | < 1E-06            | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-05        | 0.6     | 9E-05          | 9       | 9E-05          | 9       | < 1E-08        | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E+00 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Phenol                          | 108-95-2  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Pyridine                        | 110-86-1  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Silver                          | 7440-22-4 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                    | CASRN     | Protection Group 3 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|----------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                  |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                  |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Tetrachloroethylene              | 127-18-4  | 8E-07              | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-05        | 0.8     | 9E-05          | 9       | 1E-04          | 9       | < 1E-08        | < 1E-01 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Thiram                           | 137-26-8  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.05    | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | 0.8     | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethylene                | 79-01-6   | 7E-09              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 4E-07          | note 3  | 5E-06          | note 3  | 1E-05          | note 3  | < 1E-08        | note 3  |
| Vinyl chloride                   | 75-01-4   | 9E-07              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 9E-06          | note 3  | 6E-05          | note 3  | 6E-05          | note 3  | < 1E-08        | note 3  |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 3 |         |             |    |                |         |               |         |                    |         |                   |         |
|---------------------------------|-----------|--------------------|---------|-------------|----|----------------|---------|---------------|---------|--------------------|---------|-------------------|---------|
|                                 |           | Shower Inhalation  |         | Breast Milk |    | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |         | Groundwater Total |         |
|                                 |           | Risk               | HQ      | Risk        | HQ | Risk           | HQ      | Risk          | HQ      | Risk               | HQ      | Risk              | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | note 3  | note 4             | note 4  | note 4            | note 4  |
| Acrylonitrile                   | 107-13-1  | < 1E-08            | < 1E-01 | NA          | NA | 1E-06          | 0.05    | < 1E-05       | 0.1     | note 4             | note 4  | note 4            | note 4  |
| Aniline                         | 62-53-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | < 1E-06       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Benzene                         | 71-43-2   | < 1E-08            | note 3  | NA          | NA | < 1E-05        | note 3  | < 1E-05       | note 3  | < 1E-05            | note 4  | < 1E-08           | note 4  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | 0.07    | note 4             | note 4  | note 4            | note 4  |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | < 1E+00 | note 4             | < 1E+00 | note 4            | < 1E-01 |
| Chloroform                      | 67-66-3   | < 1E-08            | note 3  | NA          | NA | 8E-06          | note 3  | 9E-07         | 0.09    | 8E-06              | note 4  | < 1E-08           | note 4  |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Ethylene dibromide              | 106-93-4  | < 1E-08            | < 1E-01 | NA          | NA | 9E-09          | < 1E-01 | < 1E-05       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Lead                            | 7439-92-1 | note 1             | note 1  | NA          | NA | note 1         | note 1  | note 1        | note 1  | note 1             | note 1  | note 1            | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | < 1E-01 | note 4            | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Methylene chloride              | 75-09-2   | < 1E-08            | < 1E-01 | NA          | NA | < 1E-06        | < 1E-01 | < 1E-05       | 0.6     | < 1E-05            | 0.6     | < 1E-08           | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | < 1E+00 | note 4             | < 1E+00 | note 4            | < 0E+00 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Phenol                          | 108-95-2  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Pyridine                        | 110-86-1  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Silver                          | 7440-22-4 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

|                                  |           | Protection Group 3 |         |             |         |                |         |               |         |                    |        |                   |        |
|----------------------------------|-----------|--------------------|---------|-------------|---------|----------------|---------|---------------|---------|--------------------|--------|-------------------|--------|
|                                  |           | Shower Inhalation  |         | Breast Milk |         | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |        | Groundwater Total |        |
| Chemical Name                    | CASRN     | Risk               | HQ      | Risk        | HQ      | Risk           | HQ      | Risk          | HQ      | Risk               | HQ     | Risk              | HQ     |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | NA          | < 1E-01 | < 1E-08        | note 3  | < 1E-08       | < 1E-01 | < 1E-08            | note 4 | < 1E-08           | note 4 |
| Tetrachloroethylene              | 127-18-4  | < 1E-08            | note 3  | NA          | NA      | 8E-07          | note 3  | < 1E-05       | 0.8     | < 1E-05            | note 4 | < 1E-08           | note 4 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |
| Thiram                           | 137-26-8  | note 2             | note 3  | NA          | NA      | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4 | note 4            | note 4 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | 0.04    | note 4             | note 4 | note 4            | note 4 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | 0.8     | note 4             | note 4 | note 4            | note 4 |
| Trichloroethylene                | 79-01-6   | < 1E-08            | note 3  | NA          | NA      | 7E-09          | note 3  | 3E-07         | note 3  | note 4             | note 4 | note 4            | note 4 |
| Vinyl chloride                   | 75-01-4   | < 1E-08            | note 3  | NA          | NA      | 9E-07          | note 3  | 9E-06         | note 3  | 9E-06              | note 4 | < 1E-08           | note 4 |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 4 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|---------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                 |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                 |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E+00 | note 2         | note 3  | note 2          | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  | note 2         | note 3  |
| Acrylonitrile                   | 107-13-1  | 5E-06              | 0.1     | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 1E-05          | 0.2     | 6E-05          | 3       | 6E-05          | 3       | < 1E-08        | < 1E-01 |
| Aniline                         | 62-53-3   | note 2             | < 1E+00 | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-06        | note 3  | < 1E-04        | note 3  | < 1E-04        | note 3  | < 1E-08        | note 3  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Benzene                         | 71-43-2   | < 1E-05            | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-05        | note 3  | < 1E-04        | note 3  | < 1E-04        | note 3  | < 1E-08        | note 3  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-06        | note 3  | < 1E-06        | note 3  | < 1E-08        | note 3  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Chloroform                      | 67-66-3   | < 1E-05            | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | 8E-06          | 0.8     | 7E-05          | 9       | 9E-05          | 9       | < 1E-08        | < 1E-01 |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  | < 1E-08        | note 3  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Ethylene dibromide              | 106-93-4  | 1E-08              | < 1E-01 | < 1E-08        | note 3  | < 1E-08         | note 3  | 1E-05          | note 3  | 3E-05          | note 3  | 7E-05          | note 3  | < 1E-08        | note 3  |
| Lead                            | 7439-92-1 | note 1             | note 1  | note 1         | note 1  | note 1          | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  | note 1         | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+00 | note 2         | < 1E-01 |
| Methylene chloride              | 75-09-2   | < 5E-06            | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-04        | < 1E+00 | < 1E-04        | < 1E+01 | < 1E-04        | < 1E+01 | < 1E-08        | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E+00 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Phenol                          | 108-95-2  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Pyridine                        | 110-86-1  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E+01 | note 2         | < 1E-01 |
| Silver                          | 7440-22-4 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                    | CASRN     | Protection Group 4 |         |                |         |                 |         |                |         |                |         |                |         |                |         |
|----------------------------------|-----------|--------------------|---------|----------------|---------|-----------------|---------|----------------|---------|----------------|---------|----------------|---------|----------------|---------|
|                                  |           | Air Inhalation     |         | Soil Ingestion |         | Water Ingestion |         | Crop Ingestion |         | Beef Ingestion |         | Milk Ingestion |         | Fish Ingestion |         |
|                                  |           | Risk               | HQ      | Risk           | HQ      | Risk            | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      | Risk           | HQ      |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 | < 1E-08        | < 1E-01 |
| Tetrachloroethylene              | 127-18-4  | < 5E-07            | note 3  | < 1E-08        | < 1E-01 | < 1E-08         | < 1E-01 | < 1E-04        | < 1E+00 | < 1E-04        | < 1E+01 | < 1E-04        | < 1E+01 | < 1E-08        | < 1E-01 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |
| Thiram                           | 137-26-8  | note 2             | note 3  | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | note 2         | < 1E-01 | note 2          | < 1E-01 | note 2         | < 1E+00 | note 2         | < 1E-01 | note 2         | < 1E-01 | note 2         | < 1E-01 |
| Trichloroethylene                | 79-01-6   | 9E-09              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 8E-07          | note 3  | 5E-05          | note 3  | 5E-05          | note 3  | < 1E-08        | note 3  |
| Vinyl chloride                   | 75-01-4   | 1E-06              | note 3  | < 1E-08        | note 3  | < 1E-08         | note 3  | 2E-05          | note 3  | 8E-05          | note 3  | 8E-05          | note 3  | < 1E-08        | note 3  |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA             | NA      | NA              | NA      | NA             | NA      | NA             | NA      | NA             | NA      | NA             | NA      |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable

Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                   | CASRN     | Protection Group 4 |         |             |    |                |         |               |         |                    |         |                   |         |
|---------------------------------|-----------|--------------------|---------|-------------|----|----------------|---------|---------------|---------|--------------------|---------|-------------------|---------|
|                                 |           | Shower Inhalation  |         | Breast Milk |    | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |         | Groundwater Total |         |
|                                 |           | Risk               | HQ      | Risk        | HQ | Risk           | HQ      | Risk          | HQ      | Risk               | HQ      | Risk              | HQ      |
| Acetonitrile                    | 75-05-8   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | note 3  | note 4             | note 4  | note 4            | note 4  |
| Acrylonitrile                   | 107-13-1  | < 1E-08            | < 1E-01 | NA          | NA | 5E-06          | 0.1     | < 1E-05       | 0.2     | note 4             | note 4  | note 4            | note 4  |
| Aniline                         | 62-53-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | < 5E-07       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Arsenic                         | 7440-38-2 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Barium                          | 7440-39-3 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Benzene                         | 71-43-2   | < 1E-08            | note 3  | NA          | NA | < 1E-05        | note 3  | < 1E-05       | note 3  | < 1E-05            | note 4  | < 1E-08           | note 4  |
| Benzo(a)pyrene                  | 50-32-8   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Beryllium                       | 7440-41-7 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Bis-(2-ethylhexyl) phthalate    | 117-81-7  | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Cadmium                         | 7440-43-9 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Carbon disulfide                | 75-15-0   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Chlorobenzene                   | 108-90-7  | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | < 1E+00 | note 4            | < 1E-01 |
| Chloroform                      | 67-66-3   | < 1E-08            | note 3  | NA          | NA | < 1E-05        | note 3  | 7E-06         | 0.5     | < 1E-05            | note 4  | < 1E-08           | note 4  |
| Dibenz[a,h]anthracene           | 53-70-3   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Dichlorophenoxyacetic acid, 2,4 | 94-75-7   | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 2            | note 4  |
| Divalent Mercury                | 7439-97-6 | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Ethylene dibromide              | 106-93-4  | < 1E-08            | < 1E-01 | NA          | NA | 1E-08          | < 1E-01 | < 1E-05       | note 3  | note 4             | note 4  | note 4            | note 4  |
| Lead                            | 7439-92-1 | note 1             | note 1  | NA          | NA | note 1         | note 1  | note 1        | note 1  | note 1             | note 1  | note 1            | note 1  |
| Methyl ethyl ketone             | 78-93-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | < 1E-01 | note 4            | < 1E-01 |
| Methyl methacrylate             | 80-62-6   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Methylene chloride              | 75-09-2   | < 1E-08            | < 1E-01 | NA          | NA | < 5E-06        | < 1E-01 | < 1E-05       | < 1E+00 | < 1E-05            | < 1E+00 | < 1E-08           | < 1E-01 |
| Nickel [+2]                     | 7440-02-0 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |
| Nitrobenzene                    | 98-95-3   | note 2             | < 1E-01 | NA          | NA | note 2         | < 1E+00 | note 2        | < 1E+00 | note 4             | < 1E+00 | note 4            | < 1E-01 |
| Pentachlorophenol               | 87-86-5   | note 2             | note 3  | NA          | NA | note 2         | note 3  | < 1E-08       | < 1E-01 | note 4             | note 4  | note 4            | note 4  |
| Phenol                          | 108-95-2  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 2            | note 4  |
| Pyridine                        | 110-86-1  | note 2             | note 3  | NA          | NA | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4  | note 2            | note 4  |
| Silver                          | 7440-22-4 | NA                 | NA      | NA          | NA | NA             | NA      | NA            | NA      | NA                 | NA      | NA                | NA      |



Table EP6. Chemical-specific Risks and Hazards by Exposure Pathway for Aerated Tanks (unitless)  
 Human Receptors - 500 meters; Ecological Receptors - 2000 meters

| Chemical Name                    | CASRN     | Protection Group 4 |         |             |         |                |         |               |         |                    |        |                   |        |
|----------------------------------|-----------|--------------------|---------|-------------|---------|----------------|---------|---------------|---------|--------------------|--------|-------------------|--------|
|                                  |           | Shower Inhalation  |         | Breast Milk |         | All Inhalation |         | All Ingestion |         | All Ingest & Inhal |        | Groundwater Total |        |
|                                  |           | Risk               | HQ      | Risk        | HQ      | Risk           | HQ      | Risk          | HQ      | Risk               | HQ     | Risk              | HQ     |
| Tetrachlorodibenzo-p-dioxin, 2,3 | 1746-01-6 | < 1E-08            | note 3  | NA          | < 1E-01 | < 1E-08        | note 3  | < 1E-08       | < 1E-01 | < 1E-08            | note 4 | < 1E-08           | note 4 |
| Tetrachloroethylene              | 127-18-4  | < 1E-08            | note 3  | NA          | NA      | < 5E-07        | note 3  | < 1E-05       | < 1E-01 | < 1E-05            | note 4 | < 1E-08           | note 4 |
| Thallium [+1]                    | 7446-18-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |
| Thiram                           | 137-26-8  | note 2             | note 3  | NA          | NA      | note 2         | note 3  | note 2        | < 1E-01 | note 4             | note 4 | note 4            | note 4 |
| Toluene                          | 108-88-3  | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | < 1E-01 | note 4             | note 4 | note 4            | note 4 |
| Trichloroethane, 1,1,1-          | 71-55-6   | note 2             | < 1E-01 | NA          | NA      | note 2         | < 1E-01 | note 2        | < 1E+00 | note 4             | note 4 | note 4            | note 4 |
| Trichloroethylene                | 79-01-6   | < 1E-08            | note 3  | NA          | NA      | 9E-09          | note 3  | 5E-07         | note 3  | note 4             | note 4 | note 4            | note 4 |
| Vinyl chloride                   | 75-01-4   | < 1E-08            | note 3  | NA          | NA      | 1E-06          | note 3  | 1E-05         | note 3  | < 1E-05            | note 4 | < 1E-08           | note 4 |
| Zinc                             | 7440-66-6 | NA                 | NA      | NA          | NA      | NA             | NA      | NA            | NA      | NA                 | NA     | NA                | NA     |

- note 1: Human impacts were not evaluated for this chemical due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- note 4: For this chemical, it either lacks a toxicity value for inhalation or ingestion or the inhalation and ingestion pathways are not additive.
- note 5: For this chemical and exposure pathway, the curve could not be used to interpolate a result.
- NA: Not Applicable