

**TABLE 1B**  
**Screening of Organic Chemicals Using LBCLs and LSSLs**

| Parameter of Interest             | Chemical                        | Count | Detection Count | Detection Frequency | Maximum Detection (mg/kg) | Count of Detections Above RBGC in Groundwater <sup>4</sup> | LBCL (DAF 1) <sup>6</sup> (mg/kg) | LBCL (DAF 20) <sup>6</sup> (mg/kg) | Detections >LBCL (DAF 20) | LSSL <sup>3</sup> (mg/kg) | Total Detections >LSSL <sup>5</sup> |
|-----------------------------------|---------------------------------|-------|-----------------|---------------------|---------------------------|--|-----------------------------------|------------------------------------|---------------------------|---------------------------|-------------------------------------|
| <b>Organic Acids</b>              | Benzenesulfonic acid            | 61    | 1               | 2%                  | 1.3                       | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
|                                   | Diethyl phosphorodithioic acid  | 61    | 1               | 2%                  | 1.5                       | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
|                                   | Dimethyl phosphorodithioic acid | 61    | 1               | 2%                  | 6.1                       | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
|                                   | Phthalic acid                   | 61    | 2               | 3%                  | 7.3                       | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
| <b>Organophosphate Pesticides</b> | Stirphos                        | 84    | 2               | 2%                  | 0.041                     | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
| <b>Organochlorine Pesticides</b>  | 4,4'-DDD                        | 352   | 7               | 2%                  | 0.44                      | 0  | 8.0E-01                           | 1.6E+01                            | 0                         | NC                        | --                                  |
|                                   | 4,4'-DDE                        | 352   | 82              | 23%                 | 150                       | 0  | 3.0E+00                           | 6.0E+01                            | 2                         | 1.56E+03                  | 0                                   |
|                                   | 4,4'-DDT                        | 352   | 71              | 20%                 | 220                       | 0  | 2.0E+00                           | 4.0E+01                            | 2                         | 9.14E+02                  | 0                                   |
|                                   | Aldrin                          | 352   | 1               | 0%                  | 0.61                      | 2  | 2.0E-02                           | 4.0E-01                            | 1                         | 1.17E+01                  | 0                                   |
|                                   | Alpha-BHC                       | 352   | 15              | 4%                  | 2                         | 29   | 3.0E-05                           | 6.0E-04                            | 15                        | 5.90E-03                  | 12                                  |
|                                   | Beta-BHC                        | 352   | 132             | 38%                 | 2.5                       | 8  | 1.0E-04                           | 2.0E-03                            | 114                       | 4.52E-03                  | 93                                  |
|                                   | Dieldrin                        | 352   | 2               | 1%                  | 3.1                       | 0  | 2.0E-04                           | 4.0E-03                            | 2                         | 1.82E-01                  | 2                                   |
|                                   | Endrin                          | 352   | 1               | 0%                  | 0.0054                    | 0  | 5.0E-02                           | 1.0E+00                            | 0                         | NC                        | --                                  |
|                                   | Gamma-BHC (Lindane)             | 352   | 6               | 2%                  | 0.32                      | 3  | 5.0E-04                           | 1.0E-02                            | 3                         | 8.59E-02                  | 1                                   |
|                                   | Heptachlor Epoxide              | 352   | 1               | 0%                  | 0.14                      | 5  | 3.0E-02                           | 6.0E-01                            | 0                         | NC                        | --                                  |
| Methoxychlor                      | 352                             | 4     | 1%              | 0.055               | 0                         | 8.0E+00  | 1.6E+02                           | 0                                  | NC                        | --                        |                                     |
| <b>SVOCs</b>                      | 1,4-Dioxane                     | 643   | 1               | 0%                  | 0.01                      | 2  | 1.1E-01                           | 2.1E+00                            | 0                         | NC                        | --                                  |
|                                   | Acenaphthene                    | 643   | 5               | 1%                  | 0.035                     | 0  | 2.9E+01                           | 5.8E+02                            | 0                         | NC                        | --                                  |
|                                   | Acenaphthylene                  | 643   | 36              | 6%                  | 0.36                      | 0  | 1.0E+01                           | 2.0E+02                            | 0                         | NC                        | --                                  |
|                                   | Anthracene                      | 643   | 38              | 6%                  | 0.29                      | 0  | 5.9E+02                           | 1.2E+04                            | 0                         | NC                        | --                                  |
|                                   | Benz(a)anthracene               | 643   | 163             | 25%                 | 2.5                       | 1  | 8.0E-02                           | 1.6E+00                            | 1                         | 7.39E+01                  | 0                                   |
|                                   | Benzo(a)pyrene                  | 643   | 100             | 16%                 | 3                         | 0  | 4.0E-01                           | 8.0E+00                            | 0                         | NC                        | --                                  |
|                                   | Benzo(b)fluoranthene            | 643   | 122             | 19%                 | 4.1                       | 1  | 2.0E-01                           | 4.0E+00                            | 1                         | 2.28E+02                  | 0                                   |
|                                   | Benzo(g,h,i)perylene            | 643   | 126             | 20%                 | 3.5                       | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
|                                   | Benzo(k)fluoranthene            | 643   | 119             | 19%                 | 3.3                       | 0  | 2.0E+00                           | 4.0E+01                            | 0                         | NC                        | --                                  |
|                                   | bis(2-Ethylhexyl)phthalate      | 643   | 22              | 3%                  | 1.4                       | 3  | 1.8E+02                           | 3.6E+03                            | 0                         | NC                        | --                                  |
|                                   | Butyl benzyl phthalate          | 643   | 37              | 6%                  | 0.066                     | 0  | 8.1E+02                           | 1.6E+04                            | 0                         | NC                        | --                                  |
|                                   | Chrysene                        | 643   | 200             | 31%                 | 4.8                       | 0  | 8.0E+00                           | 1.6E+02                            | 0                         | NC                        | --                                  |
|                                   | Dibenz(a,h)anthracene           | 643   | 41              | 6%                  | 0.77                      | 1  | 8.0E-02                           | 1.6E+00                            | 0                         | NC                        | --                                  |
|                                   | Diethyl phthalate               | 643   | 11              | 2%                  | 0.26                      | 0  | 5.6E+01                           | 1.1E+03                            | 0                         | NC                        | --                                  |
|                                   | Dimethyl phthalate              | 643   | 25              | 4%                  | 0.065                     | 0  | NE                                | NE                                 | --                        | NC                        | --                                  |
|                                   | Di-N-Butyl phthalate            | 643   | 97              | 15%                 | 8.2                       | 0  | 2.7E+02                           | 5.4E+03                            | 0                         | NC                        | --                                  |
|                                   | Fluoranthene                    | 643   | 207             | 32%                 | 5.9                       | 0  | 2.1E+02                           | 4.2E+03                            | 0                         | NC                        | --                                  |
|                                   | Fluorene                        | 643   | 7               | 1%                  | 0.032                     | 0  | 2.8E+01                           | 5.6E+02                            | 0                         | NC                        | --                                  |
|                                   | Hexachlorobenzene               | 643   | 264             | 41%                 | 790                       | 0  | 1.0E-01                           | 2.0E+00                            | 31                        | 1.38E+01                  | 16                                  |
|                                   | Indeno(1,2,3-cd)pyrene          | 643   | 117             | 18%                 | 2.9                       | 1  | 7.0E-01                           | 1.4E+01                            | 0                         | NC                        | --                                  |
| Naphthalene-SVOC                  | 643                             | 58    | 9%              | 0.78                | 0                         | 4.0E+00  | 8.0E+01                           | 0                                  | NC                        | --                        |                                     |
| Phenanthrene                      | 643                             | 182   | 28%             | 1.9                 | 0                         | 2.5E+01  | 4.9E+02                           | 0                                  | NC                        | --                        |                                     |
| Pyrene                            | 643                             | 213   | 33%             | 5.7                 | 0                         | 2.1E+02  | 4.2E+03                           | 0                                  | NC                        | --                        |                                     |
| <b>VOCs</b>                       | 1,1,1-Trichloroethane           | 705   | 3               | 0%                  | 0.00095                   | 0  | 1.0E-01                           | 2.0E+00                            | 0                         | NC                        | --                                  |
|                                   | 1,1-Dichloroethane              | 705   | 7               | 1%                  | 0.0054                    | 6  | 1.0E+00                           | 2.0E+01                            | 0                         | NC                        | --                                  |
|                                   | 1,1-Dichloroethene              | 705   | 3               | 0%                  | 0.0043                    | 2  | 3.0E-03                           | 6.0E-02                            | 0                         | NC                        | --                                  |
|                                   | 1,2,3-Trichloropropane          | 705   | 1               | 0%                  | 0.003                     | 7  | 2.0E-05                           | 4.1E-04                            | 1                         | 1.15E-02                  | 0                                   |
|                                   | 1,2,4-Trichlorobenzene          | 705   | 29              | 4%                  | 39                        | 1  | 3.0E-01                           | 6.0E+00                            | 1                         | 2.44E+02                  | 0                                   |
|                                   | 1,2,4-Trimethylbenzene          | 705   | 5               | 1%                  | 0.069                     | 0  | 1.2E+00                           | 2.3E+01                            | 0                         | NC                        | --                                  |
|                                   | 1,2-Dichlorobenzene             | 705   | 37              | 5%                  | 0.071                     | 2  | 9.0E-01                           | 1.8E+01                            | 0                         | NC                        | --                                  |
|                                   | 1,2-Dichloroethane              | 705   | 5               | 1%                  | 0.0032                    | 3  | 1.0E-03                           | 2.0E-02                            | 0                         | NC                        | --                                  |
|                                   | 1,3,5-Trimethylbenzene          | 705   | 3               | 0%                  | 0.015                     | 0  | 3.0E+00                           | 6.1E+01                            | 0                         | NC                        | --                                  |
|                                   | 1,3-Dichlorobenzene             | 705   | 10              | 1%                  | 0.017                     | 0  | 2.7E-01                           | 5.4E+00                            | 0                         | NC                        | --                                  |
|                                   | 1,4-Dichlorobenzene             | 705   | 34              | 5%                  | 0.038                     | 5  | 1.0E-01                           | 2.0E+00                            | 0                         | NC                        | --                                  |
|                                   | 2-Butanone                      | 705   | 281             | 40%                 | 0.56                      | 0  | 4.8E+00                           | 9.7E+01                            | 0                         | NC                        | --                                  |
|                                   | 2-Chlorotoluene                 | 705   | 1               | 0%                  | 0.0019                    | 0  | 8.6E-01                           | 1.7E+01                            | 0                         | NC                        | --                                  |

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| Parameter of Interest | Chemical                | Count | Detection Count | Detection Frequency | Maximum Detection (mg/kg) | Count of Detections Above RBGC in Groundwater <sup>4</sup> | LBCL (DAF 1) <sup>6</sup> (mg/kg) | LBCL (DAF 20) <sup>6</sup> (mg/kg) | Detections >LBCL (DAF 20) | LSSL <sup>3</sup> (mg/kg) | Total Detections >LSSL <sup>5</sup> |
|-----------------------|-------------------------|-------|-----------------|---------------------|---------------------------|--|-----------------------------------|------------------------------------|---------------------------|---------------------------|-------------------------------------|
|                       | 4-Methyl-2-pentanone    | 705   | 15              | 2%                  | 0.055                     | 0  | 2.9E+00                           | 5.8E+01                            | 0                         | NC                        | --                                  |
|                       | Acetone                 | 705   | 313             | 44%                 | 2.5                       | 0  | 8.0E-01                           | 1.6E+01                            | 0                         | NC                        | --                                  |
|                       | Benzene                 | 705   | 20              | 3%                  | 0.05                      | 11   | 2.0E-03                           | 4.0E-02                            | 1                         | 9.16E-01                  | 0                                   |
|                       | Bromodichloromethane    | 705   | 3               | 0%                  | 0.014                     | 4  | 3.0E-02                           | 6.0E-01                            | 0                         | NC                        | --                                  |
|                       | Bromoform               | 705   | 7               | 1%                  | 0.083                     | 1  | 4.0E-02                           | 8.0E-01                            | 0                         | NC                        | --                                  |
|                       | Carbon tetrachloride    | 705   | 13              | 2%                  | 0.042                     | 4  | 3.0E-03                           | 6.0E-02                            | 0                         | NC                        | --                                  |
|                       | Chlorobenzene           | 705   | 20              | 3%                  | 0.95                      | 12   | 7.0E-02                           | 1.4E+00                            | 0                         | NC                        | --                                  |
|                       | Chloroethane            | 705   | 1               | 0%                  | 0.00064                   | 0  | 7.6E-03                           | 1.5E-01                            | 0                         | NC                        | --                                  |
|                       | Chloroform              | 705   | 281             | 40%                 | 1.2                       | 87   | 3.0E-02                           | 6.0E-01                            | 3                         | 1.03E-01                  | 14                                  |
|                       | Chloromethane           | 705   | 8               | 1%                  | 0.0016                    | 0  | 4.0E-02                           | 8.0E-01                            | 0                         | NC                        | --                                  |
|                       | cis-1,2-Dichloroethene  | 705   | 1               | 0%                  | 0.00091                   | 0  | 2.0E-02                           | 4.0E-01                            | 0                         | NC                        | --                                  |
|                       | Dibromochloromethane    | 705   | 4               | 1%                  | 0.038                     | 1  | 2.0E-02                           | 4.0E-01                            | 0                         | NC                        | --                                  |
|                       | Dichlorodifluoromethane | 705   | 1               | 0%                  | 0.00058                   | 0  | 5.3E+00                           | 1.1E+02                            | 0                         | NC                        | --                                  |
|                       | Ethylbenzene            | 705   | 3               | 0%                  | 0.015                     | 0  | 7.0E-01                           | 1.4E+01                            | 0                         | NC                        | --                                  |
|                       | Hexachlorobutadiene     | 705   | 29              | 4%                  | 0.09                      | 0  | 1.0E-01                           | 2.0E+00                            | 0                         | NC                        | --                                  |
|                       | Isopropylbenzene        | 705   | 1               | 0%                  | 0.0027                    | 0  | 2.0E+01                           | 4.0E+02                            | 0                         | NC                        | --                                  |
|                       | Methylene chloride      | 705   | 123             | 17%                 | 0.04                      | 4  | 1.0E-03                           | 2.0E-02                            | 1                         | 5.25E-01                  | 0                                   |
|                       | Naphthalene-VOC         | 705   | 7               | 1%                  | 0.017                     | 0  | 4.0E+00                           | 8.0E+01                            | 0                         | NC                        | --                                  |
|                       | N-Butylbenzene          | 705   | 3               | 0%                  | 0.0027                    | 0  | 6.3E+00                           | 1.3E+02                            | 0                         | NC                        | --                                  |
|                       | N-Propylbenzene         | 705   | 2               | 0%                  | 0.0089                    | 0  | 6.3E+00                           | 1.3E+02                            | 0                         | NC                        | --                                  |
|                       | o-Xylene                | 639   | 3               | 0%                  | 0.06                      | 0  | 9.0E+00                           | 1.8E+02                            | 0                         | NC                        | --                                  |
|                       | sec-Butylbenzene        | 705   | 1               | 0%                  | 0.0014                    | 0  | 4.8E+00                           | 9.6E+01                            | 0                         | NC                        | --                                  |
|                       | Styrene                 | 705   | 2               | 0%                  | 0.0034                    | 0  | 2.0E-01                           | 4.0E+00                            | 0                         | NC                        | --                                  |
|                       | tert-Butylbenzene       | 705   | 1               | 0%                  | 0.007                     | 0  | 4.8E+00                           | 9.6E+01                            | 0                         | NC                        | --                                  |
|                       | Tetrachloroethene       | 705   | 21              | 3%                  | 0.035                     | 4  | 3.0E-03                           | 6.0E-02                            | 0                         | NC                        | --                                  |
|                       | Toluene                 | 705   | 202             | 29%                 | 0.12                      | 0  | 6.0E-01                           | 1.2E+01                            | 0                         | NC                        | --                                  |
|                       | Trichloroethene         | 705   | 19              | 3%                  | 0.0046                    | 11   | 3.0E-03                           | 6.0E-02                            | 0                         | NC                        | --                                  |
|                       | Trichlorofluoromethane  | 705   | 17              | 2%                  | 0.013                     | 0  | 1.5E+01                           | 3.0E+02                            | 0                         | NC                        | --                                  |
|                       | Vinyl Chloride          | 705   | 1               | 0%                  | 0.00028                   | 0  | 7.0E-04                           | 1.4E-02                            | 0                         | NC                        | --                                  |

Notes:

- 1 - Shading indicates that the chemical is screened out from further evaluation.
- 2 - All chemicals, including those screened out by the LSSL, are shown in the table except those with no detections or without an RBGC.
- 3 - LSSLs are calculated for chemicals with a detection greater than the LBCL (DAF=20).
- 4 - Groundwater exceedances are based on the highest result from each well sampled during Phase B investigations.
- 5 - Soil statistics are based on the highest result from a given depth interval in each boring. The dataset includes Phase A, Phase B, and Phase B December resample Normal Environmental and Field Duplicate samples.
- 6 - Generic LBCLs are used for chemicals without an established LBCL (See Attachment 2 Table 2B).

Abbreviations:

- DAF = Dilution attenuation factor (NDEP, 2009)  
 LBCL = Leaching-based, basic comparison level (NDEP, 2009)  
 LSSL = Leaching-based, site-specific level (NDEP, 2009)  
 NC = LSSL not calculated for chemicals that do not exceed the LBCL (DAF=20).  
 NE = Value not established  
 RBGC = Risk-based groundwater concentration  
 mg/kg = milligrams per kilogram