**Table 1.8B**
**Statistical Summary of Near Surface Soils**
**Pemaco Superfund Site, Maywood, California**

| | | | | | | Minimum Result | | | | | Maximum Result | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUP | PARAMETER | UNITS | Count of Analyses | Detect Count | Detection Frequency | Value | Qualifier | Location | Depth (feet bgs) | Collect Date | Value | Qualifier | Location | Depth (feet bgs) | Collect Date |
| Metal | Aluminum | mg/kg | 80 | 80 | 100% | 1930 | = | GP-SS-61 | 0.5-2.5 | 3/1/2001 | 22800 | = | GP-SS-14 | 0.5-2.5 | 2/27/2001 |
| Metal | Antimony | mg/kg | 80 | 31 | 39% | 0.52 | J | GP-SS-49 | 0.5-2.5 | 2/28/2001 | 1.6 | J | GP-SS-61 | 0.5-2.5 | 3/1/2001 |
| Metal | Arsenic | mg/kg | 80 | 79 | 99% | 0.84 | J | GP-SS-50 | 0.5-2.5 | 2/28/2001 | 40.4 | = | GP-SS-45 | 0.5-2.5 | 3/1/2001 |
| Metal | Barium | mg/kg | 80 | 80 | 100% | 16.4 | J | GP-SS-59 | 0.5-2.5 | 3/1/2001 | 260 | = | GP-SS-53 | 0.5-2.5 | 3/1/2001 |
| Metal | Beryllium | mg/kg | 80 | 62 | 78% | 0.25 | J | GP-SS-27 | 0.5-2.5 | 2/28/2001 | 1.2 | = | GP-SS-24 | 0.5-2.5 | 2/28/2001 |
| Metal | Cadmium | mg/kg | 80 | 14 | 18% | 0.05 | J | GP-SS-60 | 0.5-2.5 | 3/1/2001 | 1.4 | = | GP-SS-34 | 0.5-2.5 | 2/28/2001 |
| Metal | Calcium | mg/kg | 80 | 80 | 100% | 2540 | = | GP-SS-27 | 0.5-2.5 | 2/28/2001 | 92100 | = | GP-SS-53 | 0.5-2.5 | 3/1/2001 |
| Metal | Chromium (total) | mg/kg | 80 | 80 | 100% | 4.8 | = | GP-SS-27 | 0.5-2.5 | 2/28/2001 | 99.5 | = | GP-SS-61 | 0.5-2.5 | 3/1/2001 |
| Metal | Cobalt | mg/kg | 80 | 80 | 100% | 1.9 | J | GP-SS-59 | 0.5-2.5 | 3/1/2001 | 17.5 | = | GP-SS-14 | 0.5-2.5 | 2/27/2001 |
| Metal | Copper | mg/kg | 80 | 80 | 100% | 6.4 | = | GP-SS-16 | 0.5-2.5 | 2/28/2001 | 346 | J | GP-SS-37 | 0.5-2.5 | 2/28/2001 |
| Metal | Cyanide | mg/kg | 80 | 3 | 4% | 0.08 | J | GP-SS-27/30 | 0.5-2.5 | 2/28/2001 | 0.09 | J | GP-SS-63 | 0.5-2.5 | 3/1/2001 |
| Metal | Iron | mg/kg | 80 | 80 | 100% | 8230 | = | GP-SS-42 | 0.5-2.5 | 3/1/2001 | 71500 | = | GP-SS-61 | 0.5-2.5 | 3/1/2001 |
| Metal | Lead | mg/kg | 80 | 80 | 100% | 1.9 | = | GP-SS-14 | 0.5-2.5 | 2/27/2001 | 211 | = | GP-SS-70 | 0.5-2.5 | 3/1/2001 |
| Metal | Magnesium | mg/kg | 80 | 80 | 100% | 329 | J | GP-SS-61 | 0.5-2.5 | 3/1/2001 | 49800 | = | GP-SS-53 | 0.5-2.5 | 3/1/2001 |
| Metal | Manganese | mg/kg | 80 | 80 | 100% | 149 | = | GP-SS-42 | 0.5-2.5 | 3/1/2001 | 1100 | J | GP-SS-21 | 0.5-2.5 | 2/28/2001 |
| Metal | Mercury | mg/kg | 80 | 26 | 33% | 0.6 | J | GP-SS-49/53/78 | 0.5-2.5 | 2/28/01/3/01/01 | 0.18 | = | GP-SS-34 | 0.5-2.5 | 2/28/2001 |
| Metal | Molybdenum | mg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| Metal | Nickel | mg/kg | 80 | 80 | 100% | 5 | J | GP-SS-16/42 | 0.5-2.5 | 2/28/01/3/01/01 | 59.1 | = | GP-SS-61 | 0.5-2.5 | 3/1/2001 |
| Metal | Potassium | mg/kg | 80 | 80 | 100% | 124 | J | GP-SS-61 | 0.5-2.5 | 3/1/2001 | 6750 | = | GP-SS-48 | 0.5-2.5 | 3/1/2001 |
| Metal | Selenium | mg/kg | 80 | 33 | 41% | 0.43 | J | GP-SS-08 | 0.5-2.5 | 2/27/2001 | 1.6 | = | GP-SS-14/85 | 0.5-2.5 | 2/27/01/3/01/01 |
| Metal | Silver | mg/kg | 80 | 52 | 65% | 0.09 | J | GP-SS-21/42 | 0.5-2.5 | 2/28/01/3/01/01 | 0.88 | J | GP-SS-59 | 0.5-2.5 | 3/1/2001 |
| Metal | Sodium | mg/kg | 80 | 35 | 44% | 143 | J | GP-SS-62 | 0.5-2.5 | 3/1/2001 | 883 | J | GP-SS-24 | 0.5-2.5 | 2/28/2001 |
| Metal | Thallium | mg/kg | 80 | 1 | 1% | 1.3 | J | GP-SS-61 | 0.5-2.5 | 3/1/2001 | -- | -- | -- | 0.5-2.5 | -- |
| Metal | Vanadium | mg/kg | 80 | 80 | 100% | 4.1 | J | GP-SS-59 | 0.5-2.5 | 3/1/2001 | 58.4 | = | GP-SS-24 | 0.5-2.5 | 2/28/2001 |
| Metal | Zinc | mg/kg | 80 | 80 | 100% | 20.9 | = | GP-SS-61 | 0.5-2.5 | 3/1/2001 | 93.3 | = | GP-SS-48 | 0.5-2.5 | 3/1/2001 |
| SVOC | 1,1'-Biphenyl | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,2'-oxybis(1-Chloropropane) | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,4,5-Trichlorophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,4,6-Trichlorophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,4-Dichlorophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,4-Dimethylphenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,4-Dinitrophenol | µg/kg | 80 | 2 | 3% | 900 | J | GP-SS-54 | 0.5-2.5 | 3/1/2001 | 990 | J | GP-SS-73 | 0.5-2.5 | 3/1/2001 |
| SVOC | 2,4-Dinitrotoluene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2,6-Dinitrotoluene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2-Chloronaphthalene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2-Chlorophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2-Methylnaphthalene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2-Methylphenol | µg/kg | 80 | 1 | 1% | 40 | J | GP-SS-20 | 0.5-2.5 | 2/28/2001 | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2-Nitroaniline | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 2-Nitrophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 3,3'-Dichlorobenzidine | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 3-Nitroaniline | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4,6-Dinitro-2-methylphenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4-Bromophenyl-phenylether | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4-Chloro-3-methylphenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4-Chloroaniline | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |

**Table 1.8B**
**Statistical Summary of Near Surface Soils**
**Pemaco Superfund Site, Maywood, California**

| | | | | | | Minimum Result | | | | | Maximum Result | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUP | PARAMETER | UNITS | Count of Analyses | Detect Count | Detection Frequency | Value | Qualifier | Location | Depth (feet bgs) | Collect Date | Value | Qualifier | Location | Depth (feet bgs) | Collect Date |
| SVOC | 4-Chlorophenyl-phenyl ether | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4-Methylphenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4-Nitroaniline | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | 4-Nitrophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Acenaphthene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Acenaphthylene | µg/kg | 80 | 13 | 16% | 41 | J | GP-SS-8 | 0.5-2.5 | 2/27/2001 | 220 | J | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Acetophenone | µg/kg | 80 | 3 | 4% | 95 | J | GP-SS-53 | 0.5-2.5 | 3/1/2001 | 170 | J | GP-SS-26 | 0.5-2.5 | 2/28/2001 |
| SVOC | Anthracene | µg/kg | 80 | 8 | 10% | 38 | J | GP-SS-78 | 0.5-2.5 | 3/1/2001 | 370 | J | GP-SS-14 | 0.5-2.5 | 2/27/2001 |
| SVOC | Atrazine | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Benzaldehyde | µg/kg | 80 | 2 | 3% | 240 | J | GP-SS-53 | 0.5-2.5 | 3/1/2001 | 510 | J | GP-SS-78 | 0.5-2.5 | 3/1/2001 |
| SVOC | Benzo(a)anthracene | µg/kg | 80 | 37 | 46% | 39 | J | GP-SS-02 | 0.5-2.5 | 2/27/2001 | 950 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Benzo(a)pyrene | µg/kg | 80 | 38 | 48% | 42 | J | GP-SS-72 | 0.5-2.5 | 3/1/2001 | 1100 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Benzo(b)fluoranthene | µg/kg | 80 | 42 | 53% | 39 | J | GP-SS-74 | 0.5-2.5 | 3/1/2001 | 1000 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Benzo(g,h,i)perylene | µg/kg | 80 | 27 | 34% | 38 | J | GP-SS-24 | 0.5-2.5 | 2/28/2001 | 540 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Benzo(k)fluoranthene | µg/kg | 80 | 34 | 43% | 39 | J | GP-SS-09 | 0.5-2.5 | 2/27/2001 | 760 | J | GP-SS-11 | 0.5-2.5 | 2/27/2001 |
| SVOC | bis(2-Chloroethoxy)methane | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | bis-(2-Chloroethyl) ether | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | bis(2-Ethylhexyl)phthalate | µg/kg | 80 | 31 | 39% | 38 | J | GP-SS-76 | 0.5-2.5 | 3/1/2001 | 3700 | = | GP-SS-86 | 0.5-2.5 | 3/1/2001 |
| SVOC | Butylbenzylphthalate | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Caprolactam | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Carbazole | µg/kg | 80 | 1 | 1% | 43 | J | GP-SS-14 | 0.5-2.5 | 2/27/2001 | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Chrysene | µg/kg | 80 | 41 | 51% | 39 | J | GP-SS-02 | 0.5-2.5 | 2/27/2001 | 1100 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Dibenzo(a,h)anthracene | µg/kg | 80 | 9 | 11% | 47 | J | GP-SS-31 | 0.5-2.5 | 2/28/2001 | 130 | J | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Dibenzofuran | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Diethylphthalate | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Dimethylphthalate | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Di-n-butylphthalate | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Di-n-octylphthalate | µg/kg | 80 | 3 | 4% | 57 | J | GP-SS-12 | 0.5-2.5 | 2/27/2001 | 270 | J | GP-SS-15 | 0.5-2.5 | 2/28/2001 |
| SVOC | Fluoranthene | µg/kg | 80 | 44 | 55% | 43 | J | GP-SS-55 | 0.5-2.5 | 2/28/2001 | 2500 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Fluorene | µg/kg | 80 | 3 | 4% | 41 | J | GP-SS-31 | 0.5-2.5 | 2/28/2001 | 160 | J | GP-SS-14 | 0.5-2.5 | 2/27/2001 |
| SVOC | Hexachlorobenzene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Hexachlorobutadiene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Hexachlorocyclopentadiene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Hexachloroethane | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Indeno(1,2,3-cd)pyrene | µg/kg | 80 | 34 | 43% | 40 | J | GP-SS-50 | 0.5-2.5 | 3/1/2001 | 670 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Isophorone | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Naphthalene | µg/kg | 80 | 2 | 3% | 56 | J | GP-SS-14 | 0.5-2.5 | 2/27/2001 | 57 | J | GP-SS-46 | 0.5-2.5 | 3/1/2001 |
| SVOC | Nitrobenzene | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | N-Nitroso-di-n-propylamine | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | N-Nitrosodiphenylamine | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |

**Table 1.8B**
**Statistical Summary of Near Surface Soils**
**Pemaco Superfund Site, Maywood, California**

| | | | | | | Minimum Result | | | | | Maximum Result | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GROUP | PARAMETER | UNITS | Count of Analyses | Detect Count | Detection Frequency | Value | Qualifier | Location | Depth (feet bgs) | Collect Date | Value | Qualifier | Location | Depth (feet bgs) | Collect Date |
| SVOC | Pentachlorophenol | µg/kg | 80 | 0 | 0% | NA | -- | -- | -- | -- | -- | -- | -- | 0.5-2.5 | -- |
| SVOC | Phenanthrene | µg/kg | 80 | 39 | 49% | 44 | J | GP-SS-26 | 0.5-2.5 | 2/28/2001 | 2000 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |
| SVOC | Phenol | µg/kg | 80 | 2 | 3% | 43 | J | GP-SS-78 | 0.5-2.5 | 3/1/2001 | 64 | J | GP-SS-53 | 0.5-2.5 | 3/1/2001 |
| SVOC | Pyrene | µg/kg | 80 | 48 | 60% | 38 | J | GP-SS-87 | 0.5-2.5 | 3/1/2001 | 3000 | = | GP-SS-31 | 0.5-2.5 | 2/28/2001 |

**Notes:**
(1.) Statistics based on analytical data collected during the Pemaco RI.
(2.) '--' Parameter was not detected.
(3.) 'J' Results are estimates only. Results were qualified as estimated if at least one of the following criteria applied:
- Results were detected below reporting limits.
- Analyte results differed significantly between original sample and duplicate sample.
- Results could have been affected by sample matrix interferences, technical problems with instrument of analysis, and/or field or laboratory activities indicated during QC analysis.

(4.) 'mg/kg' - milligram per kilogram.
(5.) 'µg/kg' - microgram per kilogram.
(6.) 'NA' - Not applicable, no positive detects.
(7.) Laboratory reports may be referenced in the *Final Remedial Investigation Report, Pemaco Superfund Site, Maywood, California* (TN&A, March 2003).