**Analytical Report**

**Work Order:** 13J0432

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloromethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Vinyl Chloride</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Bromomethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
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<tr>
<td>Chloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>1,1-Dichloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
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<tr>
<td>Acetone</td>
<td>0.111 mg/kg dry</td>
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<td>TVK</td>
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<td>17:51</td>
</tr>
<tr>
<td>Carbon Disulfide</td>
<td>&lt;0.005 mg/kg dry</td>
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<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Methylene Chloride</td>
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<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>trans-1,2-Dichloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>10/10/03</td>
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</tr>
<tr>
<td>Methyl-t-butyl Ether (MTBE)</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>1,1-Dichloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
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<td>EPA 8260B</td>
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<td>10/10/03</td>
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<tr>
<td>cis-1,2-Dichloroethylene</td>
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<tr>
<td>2-Butanone (MEK)</td>
<td>&lt;0.005 mg/kg dry</td>
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<td>10/10/03</td>
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<tr>
<td>Chloroform</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>10/10/03</td>
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<tr>
<td>1,1,1-Trichloroethane</td>
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<tr>
<td>Carbon Tetrachloride</td>
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<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Benzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
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<tr>
<td>1,2-Dichloroethane</td>
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<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
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<tr>
<td>Trichloroethylene</td>
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<td>10/10/03</td>
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<tr>
<td>1,2-Dichloropropane</td>
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<td>10/10/03</td>
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</tr>
<tr>
<td>Bromodichloromethane</td>
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<td>EPA 8260B</td>
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<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>cis-1,3-Dichloropropene</td>
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<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>4-Methyl-2-pentanone (MIBK)</td>
<td>&lt;0.005 mg/kg dry</td>
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<td>17:51</td>
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<tr>
<td>Toluene</td>
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<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>1,1,2-Trichloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Tetrachloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
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<tr>
<td>2-Hexanone (MBK)</td>
<td>&lt;0.005 mg/kg dry</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
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<tr>
<td>Dibromochloromethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1:31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
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<td>TVK</td>
<td>10/10/03</td>
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<tr>
<td>Ethylbenzene</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
</tbody>
</table>

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.
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<tbody>
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<tr>
<td><strong>Determination of Volatile Organic Compounds</strong></td>
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<td>Xylenes, total</td>
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<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Bromoform</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>1,1,2,2-Tetrachloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
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</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>17:51</td>
</tr>
<tr>
<td>Surrogate: Dibromofluoromethane</td>
<td>104 %</td>
<td>68-135</td>
<td>TVK</td>
<td>10/10/03</td>
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<tr>
<td>Surrogate: 1,2-Dichloroethane-d4</td>
<td>102 %</td>
<td>66-143</td>
<td>TVK</td>
<td>10/10/03</td>
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<tr>
<td>Surrogate: Toluene-d8</td>
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<td>Surrogate: 4-Bromofluorobenzene</td>
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<td><strong>Determination of Volatile Petroleum Hydrocarbons</strong></td>
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<td>TPH, as gasoline</td>
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<td>1J31028</td>
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<td>JRF</td>
<td>10/15/03</td>
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<td><strong>Surrogate: Chlorobenzene</strong></td>
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<td><strong>Determination of Extractable Petroleum Hydrocarbons</strong></td>
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<td>TEH, as diesel fuel</td>
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<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03</td>
<td>15:32</td>
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<td>SMG</td>
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<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<tr>
<td>N-Nitrosodimethylamine</td>
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<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>Phenol</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
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<tr>
<td>Aniline</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>Bis(2-Chloroethyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
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<tr>
<td>2-Chlorophenol</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>Benzyl Alcohol</td>
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<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
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<tr>
<td>1,2-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
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<tr>
<td>n-Nitrosodi-n-propylamine</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>2-Methylphenol</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
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</tr>
<tr>
<td>Bis(2-Chloroiso-propyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
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<tr>
<td>(3 &amp; 4)-Methylphenol</td>
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<td>0.33</td>
<td>1J31639</td>
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<td>EPP</td>
<td>10/22/03</td>
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<tr>
<td>Hexachloroethane</td>
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<td>1J31639</td>
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<td>10/22/03</td>
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<tr>
<td>Nitrobenzene</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>Isophorone</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>2-Nitrophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
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<tr>
<td>2,4-Dimethylphenol</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
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<tr>
<td>2,4-Dichlorophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:18</td>
</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
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</tbody>
</table>

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<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
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<th>Qualifier</th>
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<td>Phenanthrene</td>
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<td>Fluoranthene</td>
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<td>3,3'-Dichlorobenzidine</td>
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<td>Benzo(a)anthracene</td>
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<td>Bis(2-Ethylhexyl) Phthalate</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 12:18</td>
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### Work Order: 13J0432

#### Determination of Base/Neutral/Acid Extractable Compounds

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<th>Result</th>
<th>MRL</th>
<th>Method</th>
<th>Analyst</th>
<th>Collected</th>
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<td>Benzo(b)Fluoranthene</td>
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<td>Benzo(k)Fluoranthene</td>
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<td>Benzo(a)Pyrene</td>
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<td>Indeno(1,2,3-cd)Pyrene</td>
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<td>EPA 8270C</td>
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<td>Dibenzo(a,h)anthracene</td>
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<td>Dibenzo(g,h,i)perylene</td>
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<td>EPA 8270C</td>
<td>EPP 10/22/03 12:18</td>
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#### Surrogates

- 2-Fluorophenol: 48.2% 41-110
- 2-Fluorobiphenyl: 133% 54-111
- 2,4,6-Tribromophenol: 115% 67-139
- Phenol-d6: 44.0% 50-110
- Decachlorobiphenyl: 96.6% 50-110
- Nitrobenzene-d5: 72.7% 50-110
- Surrogate: 2-Fluorophenol 41-110
- Surrogate: 2-Fluorobiphenyl 54-111
- Surrogate: 2,4,6-Tribromophenol 67-139
- Surrogate: Phenol-d6 50-110
- Surrogate: Decachlorobiphenyl 55-130

#### Determination of Polychlorinated Biphenyls (PCB)

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<th>Collected</th>
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#### Surrogate: Decachlorobiphenyl 101 %

#### Determination of Physical/Conventional Chemistry Parameters

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#### Determination of Total Metals

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<th>Method</th>
<th>Analyst</th>
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<tr>
<td>Silver, total</td>
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#### Determination of Volatile Organic Compounds

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<th>Analyst</th>
<th>Collected</th>
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<td>Vinyl Chloride</td>
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<td>EPA 8260B</td>
<td>TVK 10/10/03 18:30</td>
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<tr>
<td>1,1-Dichloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK 10/10/03 18:30</td>
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</tbody>
</table>

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**Analyte** | **Result** | **MRL** | **Batch** | **Method** | **Analyst** | **Collected (Date/Time)** | **Qualifier**
--- | --- | --- | --- | --- | --- | --- | ---
13J0432-02 | SB-1-8-10 | Matrix: Soil | Collected: 10/08/03 10:12 |

**Determination of Volatile Organic Compounds**

- **Acetone**: <0.050 mg/kg dry 10/10/03 18:30
- **Carbon Disulfide**: <0.005 mg/kg dry 10/10/03 18:30
- **Methylene Chloride**: <0.050 mg/kg dry 10/10/03 18:30
- **trans-1,2-Dichloroethylene**: <0.001 mg/kg dry 10/10/03 18:30
- **Methyl tert-butyl Ether (MTBE)**: <0.002 mg/kg dry 10/10/03 18:30
- **1,1-Dichloroethane**: <0.001 mg/kg dry 10/10/03 18:30
- **cis-1,2-Dichloroethylene**: <0.001 mg/kg dry 10/10/03 18:30
- **2-Butanone (MEK)**: <0.005 mg/kg dry 10/10/03 18:30
- **Chloroform**: <0.001 mg/kg dry 10/10/03 18:30
- **1,1,1-Trichloroethane**: <0.001 mg/kg dry 10/10/03 18:30
- **Carbon Tetrachloride**: <0.001 mg/kg dry 10/10/03 18:30
- **Benzene**: <0.001 mg/kg 10/10/03 18:30
- **1,2-Dichloroethane**: <0.001 mg/kg 10/10/03 18:30
- **Trichloroethylene**: <0.001 mg/kg 10/10/03 18:30
- **1,2-Dichloropropane**: <0.001 mg/kg 10/10/03 18:30
- **Bromodichloromethane**: <0.001 mg/kg 10/10/03 18:30
- **cis-1,3-Dichloropropene**: <0.001 mg/kg 10/10/03 18:30
- **4-Methyl-2-pentanone (MIBK)**: <0.005 mg/kg 10/10/03 18:30
- **Toluene**: <0.001 mg/kg dry 10/10/03 18:30
- **trans-1,3-Dichloropropene**: <0.001 mg/kg 10/10/03 18:30
- **1,1,2-Trichloroethane**: <0.001 mg/kg 10/10/03 18:30
- **Tetrachloroethylene**: <0.001 mg/kg 10/10/03 18:30
- **2-Hexanone (MBK)**: <0.005 mg/kg dry 10/10/03 18:30
- **Bromochloromethane**: <0.001 mg/kg dry 10/10/03 18:30
- **Ethylbenzene**: <0.001 mg/kg dry 10/10/03 18:30
- **Xylenes, total**: <0.002 mg/kg dry 10/10/03 18:30
- **Bromobenzene**: <0.001 mg/kg dry 10/10/03 18:30
- **1,1,2-Tetrachloroethane**: <0.001 mg/kg dry 10/10/03 18:30
- **Tetrachloroethylene**: <0.001 mg/kg dry 10/10/03 18:30
- **Dibromochloromethane**: <0.001 mg/kg dry 10/10/03 18:30
- **Chlorobenzene**: <0.001 mg/kg dry 10/10/03 18:30
- **Ethylbenzene**: <0.001 mg/kg dry 10/10/03 18:30
- **Naphthalene**: <0.001 mg/kg dry 10/10/03 18:30

**Surrogate:**
- **Dibromofluoromethane**: 103% 60/36-136 10/10/03 18:30
- **1,2-Dichloroethane-d4**: 106% 66-143 10/10/03 18:30
- **Toluene-d8**: 104 72-131 10/10/03 18:30
- **4-Bromofluorobenzene**: 101% 72-130 10/10/03 18:30

**Determination of Volatile Petroleum Hydrocarbons**

- **TPH, as gasoline**: <5.0 mg/kg 10/10/03 18:30

**Surrogate:**
- **Chlorobenzene**: 92.0% 66-122 10/10/03 18:30

**Determination of Extractable Petroleum Hydrocarbons**

- **TPH, as gasoline**: <5.0 mg/kg 10/10/03 18:30

**Surrogate:**
- **Chlorobenzene**: 92.0% 66-122 10/10/03 18:30

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<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEH, as gasoline</td>
<td>7 mg/kg</td>
<td>5</td>
<td>1J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03</td>
<td>16:20</td>
</tr>
<tr>
<td>TEH, as #2 diesel fuel</td>
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<td>16:20</td>
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<td>TEH, as waste oil</td>
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<td>Total Extractable Hydrocarbons</td>
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**Determination of Base/Neutral/Acid Extractable Compounds**

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<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tbody>
<tr>
<td>N-Nitrosodimethylamine</td>
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<td>0.33</td>
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<td>10/22/03</td>
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<tr>
<td>Phenol</td>
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<td>12:53</td>
</tr>
<tr>
<td>Bis(2-Chloroethyl) Ether</td>
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<td>EPA 8270C</td>
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<td>2-Chlorophenol</td>
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<td>10/22/03</td>
<td>12:53</td>
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<td>1,3-Dichlorobenzene</td>
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<td>EPA 8270C</td>
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<td>1,2-Dichlorobenzene</td>
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<td>10/22/03</td>
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<td>n-Nitroso-di-n-propylamine</td>
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<td>2-Methylphenol</td>
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<td>Bis(2-Chloroisopropyl) Ether</td>
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<td>(3 &amp; 4)-Methylphenol</td>
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<tr>
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<td>2-Nitrophenol</td>
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<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
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<td>Naphthalene</td>
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<td>Hexachlorobutadiene</td>
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<td>12:53</td>
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<tr>
<td>4-Chloro-3-methylphenol</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:53</td>
</tr>
<tr>
<td>2-Methylnaphthalene</td>
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<td>10/22/03</td>
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<td>10/22/03</td>
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<td>1J31639</td>
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<td>EPP</td>
<td>10/22/03</td>
<td>12:53</td>
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<tr>
<td>2,6-Dinitrotoluene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>12:53</td>
</tr>
<tr>
<td>3-Nitroaniline</td>
<td>&lt;0.65 mg/kg dry</td>
<td>1.65</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
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<th>Analyst</th>
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<td>2,4-Dinitrophenol</td>
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<td>Di-n-butyl Phthalate</td>
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**Determination of Polychlorinated Biphenyls (PCB)**

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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
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**Work Order: 13J0432**

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### Determination of Physical/Conventional Chemistry Parameters

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### Determination of Total Metals

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<th>Analyst</th>
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### Determination of Volatile Organic Compounds

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<td>10/10/03 19:09</td>
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<td>10/10/03 19:09</td>
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<th>Analyte</th>
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<th>Method</th>
<th>Analyst</th>
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</table>

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### Work Order: 13J0432

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<th>Analyte</th>
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</table>

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<th>Analyte</th>
<th>Result</th>
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<tr>
<td>Di-n-butyl Phthalate</td>
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<td>0.33</td>
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<td>Fluoranthenes</td>
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<td>Benzidine</td>
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<td>Pyrene</td>
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<td>Butyl Benzyl Phthalate</td>
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<td>10/22/03 13:29</td>
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<td>3,3'-Dichlorobenzidine</td>
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<tr>
<td>Benzo(a)anthracene</td>
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<td>Chrysene</td>
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<td>Bis(2-ethylhexyl) Phthalate</td>
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<td>Di-n-octyl Phthalate</td>
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<td>Benzo(b)fluoranthene</td>
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<td>Benzo(k)fluoranthene</td>
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<td>Benzo(a)pyrene</td>
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<td>Indeno(1,2,3-cd)pyrene</td>
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<td>Dibenzo(a,h)anthracene</td>
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<td>Benzo(g,h,i)perylene</td>
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<tr>
<td>Surrogate: 2-Fluorophenol</td>
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<td>Surrogate: 2-fluorobiphenyl</td>
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<td>Surrogate: 2,4,6-tribromophenol</td>
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<tr>
<td>Surrogate: Phenol-d6</td>
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<tr>
<td>Surrogate: Terphenyl-d14</td>
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<td>Surrogate: Nitrobenzene-d5</td>
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## Determination of Polychlorinated Biphenyls (PCB)

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<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arochlor 1016</td>
<td>&lt;0.050 mg/kg dry</td>
<td>0.050</td>
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<td>EPP</td>
<td>10/22/03 18:49</td>
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<tr>
<td>Arochlor 1221</td>
<td>&lt;0.050 mg/kg dry</td>
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<td>EPA 8082</td>
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<tr>
<td>Arochlor 1232</td>
<td>&lt;0.050 mg/kg dry</td>
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<td>EPA 8082</td>
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<td>Arochlor 1242</td>
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<td>Arochlor 1248</td>
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<td>Arochlor 1254</td>
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<td>Arochlor 1260</td>
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<td>Surrogate: Decachlorobiphenyl</td>
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## Determination of Physical/Conventional Chemistry Parameters

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<th>Solids</th>
<th>%</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tbody>
<tr>
<td>87.4 %</td>
<td>0.1</td>
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## Determination of Total Metals

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<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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</thead>
<tbody>
<tr>
<td>Barium, total</td>
<td>200 mg/kg dry</td>
<td>0.6</td>
<td>J31004</td>
<td>EPA 6010B</td>
<td>RVV</td>
<td>10/10/03 14:19</td>
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<td>Silver, total</td>
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<td>Arsenic, total</td>
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<td>Chromium, total</td>
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<td>Lead, total</td>
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<td>Mercury, total</td>
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<td>EPA 7471A</td>
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The results in this report apply to the samples analyzed in accordance with the chain of custody documents. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted.

MRL = Method Reporting Limit.
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<th>Analyte</th>
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<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
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<td>10/10/03 19:48</td>
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<td>Naphthalene</td>
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<td>Surrogate: Toluene-d8</td>
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<td><strong>Determination of Extractable Petroleum Hydrocarbons</strong></td>
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<td>TEH, as gasoline</td>
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<td>TEH, as #2 diesel fuel</td>
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<td>TEH, as waste oil</td>
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<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<td>N-Nitrosodimethylamine</td>
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<td>Phenol</td>
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<td>Aniline</td>
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<td>Bis(2-Chloroethyl) Ether</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
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<td>L31639</td>
<td>EPA 8270C</td>
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<td>1,4-Dichlorobenzene</td>
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<td>1,2-Dichlorobenzene</td>
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<td>n-Nitroso-di-n-propylamine</td>
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<td>2-Methylphenol</td>
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<td>Bis(2-Chloroisopropyl) Ether</td>
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<td>2,4-Dimethylnaphthalene</td>
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<tr>
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## Determination of Base/Neutral/Acid Extractable Compounds

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<tr>
<th>Analyte</th>
<th>Result</th>
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<th>Method</th>
<th>Analyst</th>
<th>Analyzed Qualifier</th>
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<td>10/22/03 14:04</td>
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<td>2,4,6-Trichlorophenol</td>
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<tr>
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<td>Pyrene</td>
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<td>EPA 8270C</td>
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<td>Di-n-octyl Phthalate</td>
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<td>Benzo(b)Fluoranthene</td>
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<td>10/22/03 14:04</td>
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<td>I131639</td>
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<td>Indeno(1,2,3-cd)Pyrene</td>
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<td>I131639</td>
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<td>10/22/03 14:04</td>
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<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<td>Dibenzo(a,h)anthracene</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>Surrogate: 2-Fluorobiphenyl</td>
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<td>Surrogate: Phenol-d6</td>
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<td>Surrogate: Terphenyl-d14</td>
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<tr>
<td>% Solids</td>
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<td>Silver, total</td>
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<tr>
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## Work Order: 13J0432

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<tr>
<th>Analyte Result</th>
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### Determination of Volatile Organic Compounds

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<tr>
<th>Analyte</th>
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<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tbody>
<tr>
<td>1,1-Dichloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>cis,1,2-Dichloroethene</td>
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<td>2-Butanone (MEK)</td>
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<td>Chloroform</td>
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<tr>
<td>Carbon Tetrachloride</td>
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<td>Benzene</td>
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<td>Tetrachloroethylene</td>
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<td>Dibromochloromethane</td>
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<td>Chlorobenzene</td>
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<td>Ethylbenzene</td>
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<td>Bromoform</td>
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<td>1,1,2,2-Tetrachloroethane</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
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<tr>
<td>1,4-Dichlorobenzene</td>
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<td>1,2-Dichlorobenzene</td>
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<td>Naphthalene</td>
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### Determination of Volatile Petroleum Hydrocarbons

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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tbody>
<tr>
<td>TPH, as gasoline</td>
<td>&lt;5.0 mg/kg</td>
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<td>Surrogate: Chlorobenzene</td>
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### Determination of Extractable Petroleum Hydrocarbons

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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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</thead>
<tbody>
<tr>
<td>TEH, as gasoline</td>
<td>&lt;5 mg/kg</td>
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<td>TEH, as #2 diesel fuel</td>
<td><strong>22 mg/kg</strong></td>
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<tr>
<td>TEH, as waste oil</td>
<td>&lt;5 mg/kg</td>
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<td>Total Extractable Hydrocarbons</td>
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</table>

### Determination of Base/Neutral/Acid Extractable Compounds

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### Work Order: 13J0432

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<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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</thead>
<tbody>
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<td>N-Nitrosodimethylamine</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 14:39</td>
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<td>Phenol</td>
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<td>EPA 8270C</td>
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<td>Aniline</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 14:39</td>
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<tr>
<td>Bis(2-Chloroethyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>13J1639</td>
<td>EPA 8270C</td>
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<td>2-Chlorophenol</td>
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<td>EPA 8270C</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
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<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<td>1,4-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>Benzyl Alcohol</td>
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<tr>
<td>n-Nitroso-di-n-propylamine</td>
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<td>EPA 8270C</td>
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<td>10/22/03 14:39</td>
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<td>2-Methylphenol</td>
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<td>EPA 8270C</td>
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<td>Bis(2-Chloroisopropyl) Ether</td>
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<td>(3 &amp; 4)-Methylphenol</td>
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<td>EPA 8270C</td>
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<td>Hexachloroethane</td>
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<td>EPA 8270C</td>
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<td>Bis(2-Chloroethoxy) Methane</td>
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<td>EPA 8270C</td>
<td>EPP</td>
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<td>2,4-Dichlorophenol</td>
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<td>EPA 8270C</td>
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<td>1,2,4-Trichlorobenzene</td>
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<td>2,4,6-Trichlorophenol</td>
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<td>2,4,5-Trichlorophenol</td>
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<td>2-Chloronaphthalene</td>
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<td>2-Nitroaniline</td>
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<td>EPA 8270C</td>
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<td>2,6-Dinitrotoluene</td>
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<td>2,4-Dinitrophenol</td>
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<td>Dibenzofuran</td>
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<td>2,4-Dinitrotoluene</td>
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<td>EPA 8270C</td>
<td>EPP</td>
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<td>4-Nitrophenol</td>
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<tr>
<td>Diethyl Phthalate</td>
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<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 14:39</td>
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</tbody>
</table>

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<tr>
<td>4-Chlorophenyl Phenyl Ether</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>4-Nitroaniline</td>
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<td>0.66</td>
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<td>4,6-Dinitro-2-methylphenol</td>
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<td>N-Nitrosodiphenylamine</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>Azobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>EPA 8270C</td>
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<tr>
<td>4-Bromophenyl Phenyl Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>Hexachlorobenzene</td>
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<td>Pentachlorophenol</td>
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<td>Pyrene</td>
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<td>Butyl Benzyl Phthalate</td>
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<td>Benzo(a)Pyrene</td>
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<td>Indeno(1,2,3-cd)Pyrene</td>
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<td>Surrogate: 2,4,6-Tribromophenol</td>
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<td>Surrogate: Phenol-d6</td>
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<td>Surrogate: Nitrobenzene-d5</td>
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**Determination of Polychlorinated Biphenyls (PCB)**

| Arochlor 1016                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Arochlor 1221                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Arochlor 1232                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Arochlor 1242                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Arochlor 1248                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Arochlor 1254                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Arochlor 1260                                       | <0.050 mg/kg dry | 0.050 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |
| Surrogate: Decachlorobiphenyl                      | 83.2 % | 55-130 | 1J31730 | EPA 8082 | EPP | 10/22/03 19:49 |

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**Work Order: 13J0432**

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| 13J0432-06 SB-8-8-10 | **Determination of Volatile Organic Compounds** | | | | | |
| Chloromethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Vinyl Chloride | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Bromomethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Chloroethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 1,1-Dichloroethylene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Acetone | <0.071 mg/kg dry | 0.071 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Carbon Disulfide | <0.007 mg/kg dry | 0.007 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Methylene Chloride | <0.071 mg/kg dry | 0.071 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| trans-1,2-Dichloroethylene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Methyl-1-butyl Ether (MTBE) | <0.003 mg/kg dry | 0.003 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 1,1-Dichloroethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| cis-1,2-Dichloroethylene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 2-Butanone (MEK) | <0.007 mg/kg dry | 0.007 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Chloroform | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 1,1,1-Trichloroethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Carbon Tetrachloride | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Benzene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 1,2-Dichloroethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Trichloroethylene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 1,2-Dichloropropane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Bromodichloromethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| cis-1,3-Dichloropropene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 4-Methyl-2-pentanone (MIBK) | <0.007 mg/kg dry | 0.007 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Toluene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| trans-1,3-Dichloropropene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 1,1,2-Trichloroethane | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| Tetrachloroethylene | <0.001 mg/kg dry | 0.001 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |
| 2-Hexanone (MBK) | <0.007 mg/kg dry | 0.007 | 1:31519 | EPA 8260B | TVK | 10/10/03 21:05 |

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<tr>
<td><strong>Surrogate: 1,2-Dichloroethane-d4</strong></td>
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<td><strong>Surrogate: Toluene-d8</strong></td>
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<td><strong>Surrogate: 4-Bromoﬂuorobenzene</strong></td>
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<td>Determination of Extractable Petroleum Hydrocarbons</td>
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<td>Determination of Base/Neutral/Acid Extractable Compounds</td>
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<tr>
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<td>10/22/03 15:15</td>
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<tr>
<td>Bis(2-Chloroethyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>EPA 8270C</td>
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<td>10/22/03 15:15</td>
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<tr>
<td>2-Chlorophenol</td>
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<td>0.33</td>
<td>J31639</td>
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<td>EPP</td>
<td>10/22/03 15:15</td>
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<td>1,3-Dichlorobenzene</td>
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<td>1,4-Dichlorobenzene</td>
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<td>Benzyl Alcohol</td>
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<td>J31639</td>
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<td>10/22/03 15:15</td>
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<td>J31639</td>
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<td>n-Nitroso-di-n-propylamine</td>
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<td>J31639</td>
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<td>2-Methylphenol</td>
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<td>Bis(2-Chloroisopropyl) Ether</td>
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<td>[3 &amp; 4]-Methylphenol</td>
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<td>10/22/03 15:15</td>
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<tr>
<td>Hexachloroethane</td>
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<td>EPA 8270C</td>
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<td>Nitrobenzene</td>
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<td>10/22/03 15:15</td>
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<td>Isophorone</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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<tr>
<td>2-Nitrophenol</td>
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<td>EPA 8270C</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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</table>

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Determination of Base/Neutral/Acid Extractable Compounds

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>2,4-Dichlorophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>4-Chloroaniline</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
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<tr>
<td>Hexachlorobutadiene</td>
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<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>4-Chloro-3-methylphenol</td>
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<td>0.33</td>
<td>J131639</td>
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<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
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<td>EPP</td>
<td>10/22/03</td>
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<td>Hexachlorocyclopentadiene</td>
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<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>2,4,6-Trichlorophenol</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
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<td>2,4,5-Trichlorophenol</td>
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<td>J131639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
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<td>10/22/03</td>
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<td>2-Nitroaniline</td>
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<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
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<td>EPP</td>
<td>10/22/03</td>
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<td>Acenaphthylene</td>
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<td>J131639</td>
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<td>10/22/03</td>
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<td>10/22/03</td>
<td>15:15</td>
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<td>EPP</td>
<td>10/22/03</td>
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<td>EPA 8270C</td>
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<td>10/22/03</td>
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<td>4-Nitrophenol</td>
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<td>10/22/03</td>
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<td>4-Chlorophenyl Phenyl Ether</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
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<tr>
<td>N-Nitrosodimethylamine</td>
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<td>0.33</td>
<td>J131639</td>
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<td>10/22/03</td>
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<td>10/22/03</td>
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<td>4-Bromophenyl Phenyl Ether</td>
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<td>10/22/03</td>
<td>15:15</td>
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<td>10/22/03</td>
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<td>10/22/03</td>
<td>15:15</td>
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<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
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<td>10/22/03</td>
<td>15:15</td>
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<td>Di-n-butyl Phthalate</td>
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<td>J131639</td>
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<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>Fluoranthene</td>
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<td>J131639</td>
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<td>10/22/03</td>
<td>15:15</td>
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<tr>
<td>Benzidine</td>
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<td>J131639</td>
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<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>Pyrene</td>
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<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>Butyl Benzyl Phthalate</td>
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<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>15:15</td>
</tr>
<tr>
<td>3,3'-Dichlorobenzidine</td>
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<td>0.66</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>15:15</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzo(a)anthracene</td>
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<td>0.33</td>
<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
<td></td>
</tr>
<tr>
<td>Chrysene</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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<tr>
<td>Bis(2-Ethylhexyl) Phthalate</td>
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<td>0.33</td>
<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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<tr>
<td>Di-n-octyl Phthalate</td>
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<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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<td>Benzo(b)Fluoranthene</td>
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<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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<td>Benzo(k)Fluoranthene</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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</tr>
<tr>
<td>Benzo(a)Pyrene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>13J1639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 15:15</td>
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<tr>
<td>Indeno(1,2,3-cd)Pyrene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>EPA 8270C</td>
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<td>Dibenzo(a,h)anthracene</td>
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<td>EPA 8270C</td>
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<td>Benzo(g,h,i)perylene</td>
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<td>EPA 8270C</td>
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<tr>
<td><strong>Surrogate:</strong> 2-Fluorophenol</td>
<td>37.6 %</td>
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<td>41-110</td>
<td>EPP</td>
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<tr>
<td><strong>Surrogate:</strong> 2-Fluorobiphenyl</td>
<td>97.9 %</td>
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<td><strong>Surrogate:</strong> 2,4,6-Tribromophenol</td>
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<td><strong>Surrogate:</strong> Phenol-d6</td>
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<td>EPP</td>
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<td><strong>Surrogate:</strong> Terphenyl-d14</td>
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<td><strong>Surrogate:</strong> Nitrobenzene-d5</td>
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<td>EPP</td>
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### Determination of Polychlorinated Biphenyls (PCB)

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<th>Analyte</th>
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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tbody>
<tr>
<td>Arochlor 1016</td>
<td>&lt;0.050 mg/kg dry</td>
<td>0.050</td>
<td>13J1730</td>
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<td>13J1730</td>
<td>EPA 8082</td>
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<td>Arochlor 1232</td>
<td>&lt;0.050 mg/kg dry</td>
<td>0.050</td>
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<td>Arochlor 1242</td>
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<td>Arochlor 1248</td>
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<td>Arochlor 1254</td>
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<td>Arochlor 1260</td>
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<td><strong>Surrogate:</strong> Decachlorobiphenyl</td>
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### Determination of Physical/Conventional Chemistry Parameters

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<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tr>
<td>% Solids</td>
<td>78.9 %</td>
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### Determination of Total Metals

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<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<tbody>
<tr>
<td>Barium, total</td>
<td>191 mg/kg dry</td>
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<td>EPA 6010B</td>
<td>RVV</td>
<td>10/10/03 14:42</td>
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<tr>
<td>Silver, total</td>
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<td>EPA 6010B</td>
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<tr>
<td>Arsenic, total</td>
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<td>EPA 6010B</td>
<td>RVV</td>
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<tr>
<td>Cadmium, total</td>
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<td>0.6</td>
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<td>EPA 6010B</td>
<td>RVV</td>
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<tr>
<td>Chromium, total</td>
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<tr>
<td>Lead, total</td>
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<tr>
<td>Mercury, total</td>
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<td>MAQ</td>
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<td>Selenium, total</td>
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<td>EPA 6010B</td>
<td>RVV</td>
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### Determination of Volatile Organic Compounds

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<th>Analyte</th>
<th>Result</th>
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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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</thead>
<tbody>
<tr>
<td>Chloromethane</td>
<td>&lt;0.005 mg/kg dry</td>
<td>0.005</td>
<td>13J1519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03 1:35</td>
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<tr>
<td>Vinyl Chloride</td>
<td>&lt;0.005 mg/kg dry</td>
<td>0.005</td>
<td>13J1519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03 1:35</td>
<td></td>
</tr>
</tbody>
</table>
### Analyte Result MRL Batch Method Analyst Analyzed Qualifier

**Analyte** | **Result** | **MRL** | **Batch** | **Method** | **Analyst** | **Analysed** | **Qualifier** |
--- | --- | --- | --- | --- | --- | --- | --- |
13J0432-07+SB-3-6-8 | Matrix: Soil | | | | | | |

**Determination of Volatile Organic Compounds**

Bromomethane <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Chloroethane <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,1-Dichloroethene <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Acetone | 0.316 mg/kg dry | 0.258 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Carbon Disulfide | 0.099 mg/kg dry | 0.026 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Methylene Chloride <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
tans-1,2-Dichloroethylene <0.025 mg/kg dry | 0.258 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Methyl-t-butyl Ether (MTBE) <0.010 mg/kg dry | 0.010 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,1-Dichloroethene <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
cis-1,2-Dichloroethylene <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
2-Butanone (MEK) | 0.061 mg/kg dry | 0.026 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Chloroform <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,1,1-Trichloroethane <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Carbon Tetrachloride <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Benzene | 0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,2-Dichloroethane | 0.258 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Trichloroethylene | 0.100 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,2-Dichloropropane | 0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Bromochloromethane | 0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
cis-1,3-Dichloropropene | 0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
4-Methyl-2-pentanone (MIBK) | 0.026 mg/kg dry | 0.026 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Toluene | 0.010 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
trans-1,3-Dichloropropene <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,1,2-Trichloroethane | 0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Tetrachloroethylene | 0.100 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
2-Hexanone (MBK) | <0.026 mg/kg dry | 0.026 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Dibromochloromethane <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Chlorobenzene | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Ethylbenzene | 0.008 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Xylenes, total | 0.020 mg/kg dry | 0.010 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Bromoform | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,1,2,2-Tetrachloroethane | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,3-Dichlorobenzene | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,4-Dichlorobenzene | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
1,2-Dichlorobenzene | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |
Naphthalene | <0.005 mg/kg dry | 0.005 | IJ31519 | EPA 8260B | TVK | 10/11/03 1:35 |

**Surrogates:**
- Bromofluoromethane: 177 %
- 1,2-Dichloroethane-d4: 105 %
- Toluene-d8: 103 %
- 4-Bromofluorobenzene: 77.2 %

**Determination of Volatile Petroleum Hydrocarbons**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.
**Work Order: 13J0432**

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>SB-3-6-8</td>
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<td>EPA 8015</td>
<td>SMG</td>
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<tr>
<td>TEH, as gasoline</td>
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<td>1J31639</td>
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<td>10/23/03 11:04</td>
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<td>TEH, as #2 diesel fuel</td>
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<td>TEH, as waste oil</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
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<td>EPA 8270C</td>
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<td>1,2-Dichlorobenzene</td>
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<td>n-Nitroso-di-n-propylamine</td>
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<td>2-Methylphenol</td>
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<td>EPP</td>
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<td>10/23/03 11:04</td>
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<tr>
<td>Isophorone</td>
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<td>1.65</td>
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<td>2,4-Dimethylphenol</td>
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<td>EPA 8270C</td>
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<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
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<td>1.65</td>
<td>1J31639</td>
<td>EPA 8270C</td>
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**Determination of Base/Neutral/Acid Extractable Compounds**

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<th>Analyte</th>
<th>Result</th>
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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>Dibenzo(a,h)anthracene</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/23/03</td>
<td>11:04</td>
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</tbody>
</table>

**Surrogates:**
- 2-Fluorophenol: 59.6 % 41-110 EPP 10/23/03 11:04
- 2-Fluorobiphenyl: 70.6 % 54-111 EPP 10/23/03 11:04
- 2,4,6-Tribromophenol: 73.3 % 67-139 EPP 10/23/03 11:04
- Phenol-d6: 57.5 % 50-111 EPP 10/23/03 11:04
- Terphenyl-d14: 83.6 % 50-122 EPP 10/23/03 11:04
- Nitrobenzene-d5: 75.3 % 50-110 EPP 10/23/03 11:04

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### Analyte

Determination of Polychlorinated Biphenyls (PCB)

<table>
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<tr>
<th>Analyte</th>
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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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Surrogate: Decachlorobiphenyl

### Determination of Physical/Conventional Chemistry Parameters

| % Solids | 76.2 % | 0.1 | 1J31032 | % calculation | SNT | 10/10/03 | 14:02 |

### Determination of Total Metals

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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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### Determination of Volatile Organic Compounds

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<th>Method</th>
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<td>10/10/03</td>
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<td>TVK</td>
<td>10/10/03</td>
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<td>10/10/03</td>
<td>21:44</td>
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<td>10/10/03</td>
<td>21:44</td>
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<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>trans-1,2-Dichloroethylene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>Methyl-t-butyl Ether (MTBE)</td>
<td>&lt;0.003 mg/kg dry</td>
<td>0.003</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>1,1-Dichloroethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>cis-1,2-Dichloroethylene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>2-Butanone (MEK)</td>
<td>&lt;0.008 mg/kg dry</td>
<td>0.008</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>Chloroform</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>1,1,1-Trichloroethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>Carbon Tetrachloride</td>
<td>&lt;0.002 mg/kg dry</td>
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<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>Benzeno</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>1,2-Dichloroethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03</td>
<td>21:44</td>
</tr>
</tbody>
</table>

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## Analyte  | Result | MRL | Batch | Method | Analyst | Collected | Qualifier |
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>13J0432-08 SB-3-8-10</td>
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### Determination of Volatile Organic Compounds

<table>
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<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Collected</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Dichloropropane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>Bromodichloromethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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</tr>
<tr>
<td>cis-1,3-Dichloropropene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>4-Methyl-2-pentanone (MIBK)</td>
<td>&lt;0.008 mg/kg dry</td>
<td>0.008</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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</tr>
<tr>
<td>Toluene</td>
<td><strong>0.005 mg/kg dry</strong></td>
<td><strong>0.002</strong></td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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</tr>
<tr>
<td>1,1,2-Trichloroethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>Tetrachloroethylene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>2-Hexanone (MBK)</td>
<td>&lt;0.008 mg/kg dry</td>
<td>0.008</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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</tr>
<tr>
<td>Dibromochloromethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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</tr>
<tr>
<td>Chlorobenzene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td><strong>0.002 mg/kg dry</strong></td>
<td><strong>0.002</strong></td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
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</tr>
<tr>
<td>Xylene total</td>
<td><strong>0.014 mg/kg dry</strong></td>
<td><strong>0.003</strong></td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>Bromoform</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>1,1,2,2-Tetrachloroethane</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.002 mg/kg dry</td>
<td>0.002</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
<td></td>
</tr>
<tr>
<td>Surrogate: Dibromofluoromethane</td>
<td>107%</td>
<td></td>
<td>68-136</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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<tr>
<td>Surrogate: 1,2-Dichloroethane-d4</td>
<td>103%</td>
<td></td>
<td>66-143</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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<td></td>
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<tr>
<td>Surrogate: Toluene-d8</td>
<td>103%</td>
<td></td>
<td>72-131</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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<tr>
<td>Surrogate: 4-Bromofluorobenzene</td>
<td>89.3%</td>
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<td>72-130</td>
<td>TVK</td>
<td>10/10/03 21:44</td>
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</table>

### Determination of Volatile Petroleum Hydrocarbons

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Collected</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPH, as gasoline</td>
<td><strong>177 mg/kg</strong></td>
<td><strong>5.0</strong></td>
<td>1J31028</td>
<td>EPA 8015</td>
<td>JRF</td>
<td>10/18/03 7:51</td>
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<tr>
<td>Surrogate: Chlorobenzene</td>
<td>87.1%</td>
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<td>62.1-122</td>
<td>JRF</td>
<td>10/18/03 7:51</td>
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### Determination of Extractable Petroleum Hydrocarbons

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Collected</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEH, as gasoline</td>
<td><strong>39 mg/kg</strong></td>
<td><strong>5</strong></td>
<td>1J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 21:11</td>
<td>D-06</td>
</tr>
<tr>
<td>TEH, as #2 diesel fuel</td>
<td>&lt;5 mg/kg</td>
<td></td>
<td>1J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 21:11</td>
<td></td>
</tr>
<tr>
<td>TEH, as waste oil</td>
<td><strong>19 mg/kg</strong></td>
<td><strong>5</strong></td>
<td>1J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 21:11</td>
<td></td>
</tr>
<tr>
<td>Total Extractable Hydrocarbons</td>
<td><strong>58 mg/kg</strong></td>
<td><strong>5</strong></td>
<td>1J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 21:11</td>
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</tr>
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</table>

### Determination of Base/Neutral/Acid Extractable Compounds

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Collected</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Nitrosodimethylamine</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Aniline</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Bis(2-Chloroethyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>2-Chlorophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Benzyl Alcohol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
</tbody>
</table>

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### Work Order: 13J0432

<table>
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<tr>
<th>Analyte</th>
<th>Result</th>
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<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Nitroso-di-n-propylamine</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>2-Methylphenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Bis(2-Chloroisopropyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>(3 &amp; 4)-Methylphenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Hexachloroethane</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Nitrobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Isophorone</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>2-Nitrophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>2,4-Dimethylphenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>2,4-Dichlorophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>4-Chloroaniline</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Hexachlorobutadiene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>4-Chloro-3-methylphenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
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<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
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<tr>
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<td>10/22/03</td>
<td>16:25</td>
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<tr>
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<td>EPA 8270C</td>
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<td>16:25</td>
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<tr>
<td>2,4,5-Trichlorophenol</td>
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<td>16:25</td>
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<tr>
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<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>2-Nitroaniline</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
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<tr>
<td>Dimethylphthalate</td>
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<td>16:25</td>
</tr>
<tr>
<td>Acenaphthylene</td>
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<td>16:25</td>
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<tr>
<td>2,6-Dinitrotoluene</td>
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<td>1,31639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
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</tr>
<tr>
<td>3-Nitroaniline</td>
<td>&lt;1.65 mg/kg dry</td>
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<td>1,31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Acenaphthene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<tr>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>4-Nitrophenol</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Diethyl Phthalate</td>
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<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>16:25</td>
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<tr>
<td>Fluorene</td>
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<td>10/22/03</td>
<td>16:25</td>
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<tr>
<td>4-Chlorophenyl Phenyl Ether</td>
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<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>4-Nitroaniline</td>
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<td>10/22/03</td>
<td>16:25</td>
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<td>4,6-Dinitro-2-methylphenol</td>
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<td>16:25</td>
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<tr>
<td>N-Nitrosodiphenylamine</td>
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<td>10/22/03</td>
<td>16:25</td>
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<tr>
<td>Azobenzene</td>
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<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>4-Bromophenyl Phenyl Ether</td>
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<td>10/22/03</td>
<td>16:25</td>
</tr>
<tr>
<td>Hexachlorobenzene</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>16:25</td>
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</tbody>
</table>

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### Analyte: 13J0432-08 SB-3-8-10

**Determination of Base/Neutral/Acid Extractable Compounds**

<table>
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<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentachlorophenol</td>
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<td>0.66</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Phenanthrene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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</tr>
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<td>Anthracene</td>
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<td>0.33</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Di-n-butylnaphthalate</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
<td></td>
</tr>
<tr>
<td>Fluoranthene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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</tr>
<tr>
<td>Benzidine</td>
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<td>0.33</td>
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<td>10/22/03 16:25</td>
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</tr>
<tr>
<td>Pyrene</td>
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<td>10/22/03 16:25</td>
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<td>10/22/03 16:25</td>
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<td>3,3'-Dichlorobenzidine</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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<td>Benzo(a)anthracene</td>
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<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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</tr>
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<td>Chrysene</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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<tr>
<td>Bis(2-Ethylhexyl)phthalate</td>
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<td>EPA 8270C</td>
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<td>10/22/03 16:25</td>
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<td>Di-n-octylphthalate</td>
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<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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</tr>
<tr>
<td>Benzo(b)fluoranthene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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</tr>
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<td>Benzo(k)fluoranthene</td>
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<td>10/22/03 16:25</td>
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<td>Benzo(a)pyrene</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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<tr>
<td>Indeno(1,2,3-cd)pyrene</td>
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<td>10/22/03 16:25</td>
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<td>Dibenzo(a,h)anthracene</td>
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<td>0.33</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 16:25</td>
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</tr>
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<td>Benzo(g,h,i)perylene</td>
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<td>0.33</td>
<td>IJ31639</td>
<td>EPA 8270C</td>
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<td>10/22/03 16:25</td>
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<tr>
<td>Surrogate: 2-Fluorophenol</td>
<td>75.9 %</td>
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<td>41-110</td>
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<td>10/22/03 16:25</td>
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<td>Surrogate: 2-Fluorobiphenyl</td>
<td>100 %</td>
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<td>10/22/03 16:25</td>
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<td>Surrogate: 2,4,6-Trisbromophenol</td>
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<td>Surrogate: Phenol-d6</td>
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<td>Surrogate: Terphenyl-d14</td>
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<td>Surrogate: Nitrobenzene-d5</td>
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**Determination of Polychlorinated Biphenyls (PCB)**

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<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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</thead>
<tbody>
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<td>0.050</td>
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<td>10/23/03 8:43</td>
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<tr>
<td>ArochloR 1221</td>
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<td>ArochloR 1232</td>
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<td>0.050</td>
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<td>ArochloR 1242</td>
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<td>ArochloR 1248</td>
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<td>IJ31730</td>
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<td>ArochloR 1254</td>
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<td>Surrogate: Decachlorobiphenyl</td>
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<td>10/23/03 8:43</td>
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**Determination of Physical/Conventional Chemistry Parameters**

| % Solids | 79.3 % | 0.1 | IJ31032 | % calculation | SNT | 10/10/03 14:02 |         |

**Determination of Total Metals**

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<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>Barium, total</td>
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<td>IJ31004</td>
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<td>Silver, total</td>
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<td>EPA 6010B</td>
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<td>Cadmium, total</td>
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<td>EPA 6010B</td>
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<td>10/10/03 14:50</td>
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</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td><strong>Determination of Total Metals</strong></td>
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<td>Chromium, total</td>
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<td>Lead, total</td>
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<td>Mercury, total</td>
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<td>EPA 7471A</td>
<td>MAQ</td>
<td>10/13/03 14:28</td>
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<td><strong>Determination of Volatile Organic Compounds</strong></td>
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<td>Chloromethane</td>
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<tr>
<td>Vinyl Chloride</td>
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<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>Bromomethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
<td></td>
</tr>
<tr>
<td>Chloroethane</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>1,1-Dichloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>Acetone</td>
<td>&lt;0.075 mg/kg dry</td>
<td>0.075</td>
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<td>EPA 8260B</td>
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<td>Carbon Disulfide</td>
<td>&lt;0.007 mg/kg dry</td>
<td>0.007</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Methylene Chloride</td>
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<td>0.075</td>
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<td>TVK</td>
<td>10/10/03 22:23</td>
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<tr>
<td>trans-1,2-Dichloroethylene</td>
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<td>0.001</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Methyl-tert-butyl Ether (MTBE)</td>
<td>&lt;0.003 mg/kg dry</td>
<td>0.003</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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</tr>
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<td>1,1-Dichloroethane</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>cis-1,2-Dichloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>2-Butanone (MEK)</td>
<td>&lt;0.007 mg/kg dry</td>
<td>0.007</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>Chloroform</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<td>1,1,1-Trichloroethane</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<tr>
<td>Carbon Tetrachloride</td>
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<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Benzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>1,2-Dichloroethene</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Trichloroethylene</td>
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<td>10/10/03 22:23</td>
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<td>1,2-Dichloropropane</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Bromodichloromethane</td>
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<td>10/10/03 22:23</td>
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<td>cis-1,3-Dichloropropene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
<td></td>
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<tr>
<td>4-Methyl-2-pentanone (MIBK)</td>
<td>&lt;0.007 mg/kg dry</td>
<td>0.007</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<tr>
<td><strong>Toluene</strong></td>
<td>0.001 mg/kg dry</td>
<td>0.001</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<tr>
<td>trans-1,3-Dichloropropene</td>
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<td>0.001</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>1,1,2-Trichloroethane</td>
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<td>0.001</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Tetrachloroethylene</td>
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<td>0.001</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>2-Hexanone (MBK)</td>
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<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<tr>
<td>Dibromochloromethane</td>
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<td>IJ3151</td>
<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
<td></td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
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<tr>
<td>Ethylbenzene</td>
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<td>EPA 8260B</td>
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<td>10/10/03 22:23</td>
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<tr>
<td>Xylenes, total</td>
<td>&lt;0.003 mg/kg dry</td>
<td>0.003</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
<td></td>
</tr>
<tr>
<td>Bromoform</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>IJ3151</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</table>

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### Analyte Result

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2,2-Tetrachloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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<td>1,2-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
<td></td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 22:23</td>
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**Matrix:** Soil

**Method:** EPA 8260B

**Qualifier:** Collected: 10/08/03 14:25

### Determination of Volatile Organic Compounds

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<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPH, as gasoline</td>
<td>&lt;5.0 mg/kg</td>
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<td>J31028</td>
<td>EPA 8015</td>
<td>JRF</td>
<td>10/18/03 8:32</td>
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<tr>
<td>Surrogate: Chlorobenzene</td>
<td>86.4 %</td>
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<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEH, as gasoline</td>
<td>&lt;5 mg/kg</td>
<td>5</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 22:00</td>
<td></td>
</tr>
<tr>
<td>TEH, as #2 diesel fuel</td>
<td>&lt;5 mg/kg</td>
<td>5</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 22:00</td>
<td></td>
</tr>
<tr>
<td>TEH, as waste oil</td>
<td>29 mg/kg</td>
<td>5</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 22:00</td>
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<tr>
<td>Total Extractable Hydrocarbons</td>
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<td>5</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/20/03 22:00</td>
<td></td>
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</table>

### Determination of Volatile Petroleum Hydrocarbons

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<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-Nitrosodimethylamine</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
<td></td>
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<tr>
<td>Aniline</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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</tr>
<tr>
<td>Bis(2-Chloroethyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>2-Chlorophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td>Benzyl Alcohol</td>
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<td>J31639</td>
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<tr>
<td>1,2-Dichlorobenzene</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td>n-Nitroso-di-n-propylamine</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>2-Methylphenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>Bis(2-Chloroisopropyl) Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>[3 &amp; 4]-Methylphenol</td>
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<td>0.33</td>
<td>J31639</td>
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<td>10/22/03 17:00</td>
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<tr>
<td>Hexachloroethane</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>J31639</td>
<td>EPA 8270C</td>
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<tr>
<td>Nitrobenzene</td>
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<td>EPA 8270C</td>
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<tr>
<td>Isophorone</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>2-Nitrophenol</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<td>2,4-Dimethylphenol</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td>2,4-Dichlorophenol</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<td>1,2,4-Trichlorobenzene</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<tr>
<td>Naphthalene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td>4-Chlorocarboxylic acid</td>
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<td>EPA 8270C</td>
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<td>10/22/03 17:00</td>
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</tbody>
</table>

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<tr>
<th>Analyte</th>
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<th>Analyst</th>
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<tr>
<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<tr>
<td>Hexachlorobutadiene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J131639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 17:00</td>
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<td>4-Chloro-3-methylphenol</td>
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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.
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<th>Result</th>
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<th>Batch</th>
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<th>Analyst</th>
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<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:01</td>
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<td>Bromomethane</td>
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<tr>
<td>Acetone</td>
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<td>Carbon Disulfide</td>
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**Work Order: 13J0432**

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<tr>
<th>Analyte</th>
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<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>trans-1,2-Dichloroethylene</td>
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<tr>
<td>Methyl-t-butyl Ether (MTBE)</td>
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<td>10/10/03 23:01</td>
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<td>10/10/03 23:01</td>
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<td>10/10/03 23:01</td>
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<td>2-Butanone (MEK)</td>
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<td>10/10/03 23:01</td>
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<td>10/10/03 23:01</td>
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<tr>
<td>Benzene</td>
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<td>Trichloroethene</td>
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<td>4-Methyl-2-pentanone (MIBK)</td>
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<td>Toluene</td>
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<tr>
<td>trans-1,3-Dichloropropene</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:01</td>
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<tr>
<td>1,1,2-Trichloroethane</td>
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<td>0.001</td>
<td>13J1519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:01</td>
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<tr>
<td>Tetrachloroethylene</td>
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<td>TVK</td>
<td>10/10/03 23:01</td>
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<tr>
<td>2-Hexanone (MBK)</td>
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<td>13J1519</td>
<td>EPA 8260B</td>
<td>TVK</td>
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<td>Dibromochloromethane</td>
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<td>Chlorobenzene</td>
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<td>Ethylbenzene</td>
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<td>Xylenes, total</td>
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<td>TVK</td>
<td>10/10/03 23:01</td>
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<tr>
<td>Bromoform</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>EPA 8260B</td>
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<td>13J1519</td>
<td>EPA 8260B</td>
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<td>1,2-Dichlorobenzene</td>
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<td>0.001</td>
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<tr>
<td>Naphthalene</td>
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<td>13J1519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:01</td>
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<th>Result</th>
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<th>Analyst</th>
<th>Analyzed</th>
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<tr>
<td>Phenol</td>
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<tr>
<td>Bis(2-Chloroethyl) Ether</td>
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<td>Bis(2-Chloroisopropyl) Ether</td>
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<td>Naphthalene</td>
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### Analyte: 13J0432

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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:40</td>
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<tr>
<td>Methyl tert-butyl Ether (MTBE)</td>
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<td>EPA 8260B</td>
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<td>10/10/03 23:40</td>
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<tr>
<td>1,1-Dichloroethane</td>
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<td>0.001</td>
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<td>EPA 8260B</td>
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<tr>
<td>cis-1,2-Dichloroethylene</td>
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<td>2-Butanone (MEK)</td>
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<tr>
<td>Chloroform</td>
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<td>1,1,1-Trichloroethane</td>
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<td>Carbon Tetrachloride</td>
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<td>Benzene</td>
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<td>1,2-Dichloroethane</td>
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</tr>
<tr>
<td>Trichloroethylene</td>
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<td>10/10/03 23:40</td>
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<td>1,2-Dichloropropane</td>
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<td>10/10/03 23:40</td>
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<td>Bromodichloromethane</td>
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<td>cis-1,3-Dichloropropene</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:40</td>
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### Analyte Results

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>13J0432-11 SB-6-0-4</td>
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<td>4-Methyl-2-pentanone (MIBK)</td>
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<td><strong>Toluene</strong></td>
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<td>trans-1,3-Dichloropropene</td>
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<td>1,1,2-Trichloroethane</td>
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<tr>
<td>Tetrachloroethylene</td>
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<td>2-Hexanone (MBK)</td>
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<td>10/10/03 23:40</td>
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<tr>
<td>Dibromochloromethane</td>
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<tr>
<td>Chlorobenzene</td>
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<td>Ethylbenzene</td>
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<td>10/10/03 23:40</td>
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<tr>
<td>Xylenes, total</td>
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<td>10/10/03 23:40</td>
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<tr>
<td>Bromoform</td>
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<td>1,1,2-Tetrachloroethane</td>
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<td>10/10/03 23:40</td>
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<td>1,3-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
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<td>EPA 8260B</td>
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<td>10/10/03 23:40</td>
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<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>EPA 8260B</td>
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<td>10/10/03 23:40</td>
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<td>1,2-Dichlorobenzene</td>
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<td>0.001</td>
<td>1J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/10/03 23:40</td>
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</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>10/10/03 23:40</td>
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<td><strong>Surrogate: Dibromoiodomethane</strong></td>
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<td><strong>Surrogate: 1,2-Dichloroethane-d4</strong></td>
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<td><strong>Surrogate: Toluene-d8</strong></td>
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<td><strong>Surrogate: 4-Bromofluorobenzene</strong></td>
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<td>TEH, as gasoline</td>
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<td>SMG</td>
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<td>TEH, as #2 diesel fuel</td>
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<td>EPA 8015</td>
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<td>TEH, as waste oil</td>
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<td>Total Extractable Hydrocarbons</td>
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<td>EPA 8015</td>
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<tr>
<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<tr>
<td>N-Nitrosodimethylamine</td>
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<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 18:11</td>
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<tr>
<td>Phenol</td>
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<td>1J31639</td>
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<td>EPP</td>
<td>10/22/03 18:11</td>
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<td>10/22/03 18:11</td>
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<tr>
<td>Bis(2-Chloroethyl) Ether</td>
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<td>1,3-Dichlorobenzene</td>
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<td>EPP</td>
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<td>1,4-Dichlorobenzene</td>
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<td>Benzyl Alcohol</td>
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<tr>
<td>n-Nitrosodi-n-propylamine</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 18:11</td>
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<tr>
<td>2-Methylphenol</td>
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<td>EPA 8270C</td>
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<td>Bis(2-Chloroisopropyl) Ether</td>
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<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 18:11</td>
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</tbody>
</table>

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<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>(3 &amp; 4)-Methylphenol</td>
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<td>10/22/03 18:11</td>
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<td>Hexachloroethane</td>
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<td>2,4-Dimethylphenol</td>
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<td>Bis(2-Chloroethoxy) Methane</td>
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<td>1J31639</td>
<td>EPA 8270C</td>
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<td>10/22/03 18:11</td>
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<td>1,2,4-Trichlorobenzene</td>
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<tr>
<td>Naphthalene</td>
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<td>EPA 8270C</td>
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<td>4-Chloroaniline</td>
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<td>EPP</td>
<td>10/22/03 18:11</td>
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<td>Hexachlorobutadiene</td>
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<td>10/22/03 18:11</td>
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<td>4-Chloro-3-methylphenol</td>
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<td>EPA 8270C</td>
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<td>2-Methylnaphthalene</td>
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<td>EPA 8270C</td>
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<td>Hexachlorocyclopentadiene</td>
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<tr>
<td>2,4,6-Trichlorophenol</td>
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<td>EPP</td>
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<tr>
<th>Analyte</th>
<th>Result</th>
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<th>Analyst</th>
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<th>Analyst</th>
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<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<th>Analyte</th>
<th>Result</th>
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<td>10/22/03</td>
<td>18:46</td>
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<td>Acenaphthene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
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<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>2,4-Dinitrophenol</td>
<td>&lt;1.65 mg/kg dry</td>
<td>1.65</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Dibenzo furan</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>2,4-Dinitrotoluene</td>
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</tr>
<tr>
<td>4-Nitrophenol</td>
<td>&lt;0.66 mg/kg dry</td>
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<td>10/22/03</td>
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<tr>
<td>Diethyl Phthalate</td>
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<tr>
<td>Fluorene</td>
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<td>10/22/03</td>
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</tr>
<tr>
<td>4-Chlorophenyl Phenyl Ether</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>4-Nitroaniline</td>
<td>&lt;0.66 mg/kg dry</td>
<td>0.66</td>
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<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>4,6-Dinitro-2-methylphenol</td>
<td>&lt;1.65 mg/kg dry</td>
<td>1.65</td>
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<td>EPA 8270C</td>
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<td>18:46</td>
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<tr>
<td>N-Nitrosodiphenylamine</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Azobenzene</td>
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<td>4-Bromophenyl Phenyl Ether</td>
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<td>10/22/03</td>
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<tr>
<td>Hexachlorobenzene</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Pentachlorophenol</td>
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<td>J31639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Phenanthrene</td>
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<td>J31639</td>
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<td>10/22/03</td>
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<tr>
<td>Anthracene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Di-n-butyl Phthalate</td>
<td>&lt;0.33 mg/kg dry</td>
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<td>J31639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Fluorantheny</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Benzidine</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Pyrene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Butyl Benzyl Phthalate</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>3, 3'-Dichlorobenzidine</td>
<td>&lt;0.66 mg/kg dry</td>
<td>0.66</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Benzo(a)anthracene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Chrysene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
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<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
</tr>
<tr>
<td>Bis(2-Ethylhexyl) Phthalate</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Di-n-octyl Phthalate</td>
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<td>J31639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Benzo(b)fluorantheny</td>
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<td>0.33</td>
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<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Benzo(k)fluorantheny</td>
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<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
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<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Benzo(a)pyrene</td>
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<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
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<tr>
<td>Indeno(1,2,3-cd)Pyrene</td>
<td>&lt;0.33 mg/kg dry</td>
<td>0.33</td>
<td>J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03</td>
<td>18:46</td>
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</table>

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<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed Qualifier</th>
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<td><strong>SB-6-7-10</strong></td>
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<tr>
<td><strong>Determination of Base/Neutral/Acid Extractable Compounds</strong></td>
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<td>Dibenzo(a,h)anthracene</td>
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<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td>Benzo(a,h)pyrene</td>
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<td>0.33</td>
<td>1J31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td><strong>Surrogate: 2-Fluorophenol</strong></td>
<td>30.6%</td>
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<tr>
<td><strong>Surrogate: 2-Fluorobiphenyl</strong></td>
<td>10%</td>
<td>41-110</td>
<td>EPP</td>
<td>10/22/03 18:46</td>
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<tr>
<td><strong>Surrogate: 2,4,6-Trichlorophenol</strong></td>
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<td>67-139</td>
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<td><strong>Surrogate: Phenol-d6</strong></td>
<td>26.9%</td>
<td>50-110</td>
<td>EPP</td>
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<tr>
<td><strong>Surrogate: Terphenyl-d14</strong></td>
<td>98.1%</td>
<td>50-122</td>
<td>EPP</td>
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<td><strong>Surrogate: Nitrobenzene-d5</strong></td>
<td>68.5%</td>
<td>50-110</td>
<td>EPP</td>
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<td><strong>Determination of Polychlorinated Biphenyls (PCB)</strong></td>
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<td>1J31730</td>
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<td>EPP</td>
<td>10/22/03 23:19</td>
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<td>Aroclor 1254</td>
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<td>0.050</td>
<td>1J31730</td>
<td>EPA 8082</td>
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<td>1J31730</td>
<td>EPA 8082</td>
<td>EPP</td>
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<tr>
<td><strong>Surrogate: Decachlorobiphenyl</strong></td>
<td>81.6%</td>
<td>55-130</td>
<td>EPP</td>
<td>10/22/03 23:19</td>
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<td><strong>Determination of Physical/Conventional Chemistry Parameters</strong></td>
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<td>% Solids</td>
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<td>% calculation</td>
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<td><strong>Determination of Total Metals</strong></td>
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<tr>
<td>Barium, total</td>
<td>185 mg/kg dry</td>
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<tr>
<td>Silver, total</td>
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<td>0.6</td>
<td>1J31004</td>
<td>EPA 6010B</td>
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<td>10/10/03 15:18</td>
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<tr>
<td>Arsenic, total</td>
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<td>Cadmium, total</td>
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<td>0.6</td>
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<tr>
<td>Chromium, total</td>
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<td>Lead, total</td>
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<td>1J31004</td>
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<td>Mercury, total</td>
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<td>1J31004</td>
<td>EPA 6010B</td>
<td>RVV</td>
<td>10/10/03 15:18</td>
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</tbody>
</table>

| 13J0432-13 | DUP-1 | | | | | |
| **Determination of Volatile Organic Compounds** | | | | | | |
| Chloromethane | $<0.001 \text{ mg/kg dry}$ | 0.001 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Vinyl Chloride | $<0.001 \text{ mg/kg dry}$ | 0.001 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Bromomethane | $<0.001 \text{ mg/kg dry}$ | 0.001 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Chloroethane | $<0.001 \text{ mg/kg dry}$ | 0.001 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| 1,1-Dichloroethylene | $<0.001 \text{ mg/kg dry}$ | 0.001 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Acetone | 0.071 mg/kg dry | 0.071 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Carbon Disulfide | 0.010 mg/kg dry | 0.007 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Methylene Chloride | $<0.071 \text{ mg/kg dry}$ | 0.071 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| trans-1,2-Dichloroethylene | $<0.001 \text{ mg/kg dry}$ | 0.001 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |
| Methyl-t-butyl Ether (MTBE) | $<0.003 \text{ mg/kg dry}$ | 0.003 | 1J31519 | EPA 8260B | TVK | 10/11/03 0.57 |

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### Determination of Volatile Organic Compounds

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<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed</th>
<th>Qualifier</th>
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<td>1,1-Dichloroethane</td>
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<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
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<tr>
<td>cis-1,2-Dichloroethylene</td>
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<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>2-Butanone (MEK)</td>
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<td>0.007</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
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<tr>
<td>Chloroform</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
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<tr>
<td>1,1,1-Trichloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Carbon Tetrachloride</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
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<tr>
<td>Benzene</td>
<td>0.002 mg/kg dry</td>
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<td>J31519</td>
<td>EPA 8260B</td>
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<td>10/11/03</td>
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<tr>
<td>1,2-Dichloroethane</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Trichloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>1,2-Dichloropropane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Bromochloromethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>cis-1,3-Dichloropropene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>4-Methyl-2-pentanone (MIBK)</td>
<td>&lt;0.007 mg/kg dry</td>
<td>0.007</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Toluene</td>
<td>0.005 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>trans-1,3-Dichloropropene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>1,1,2-Trichloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
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<td>10/11/03</td>
<td>0:57</td>
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<tr>
<td>Tetrachloroethylene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>2-Hexanone (MBK)</td>
<td>&lt;0.007 mg/kg dry</td>
<td>0.007</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
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<tr>
<td>Dibromochloromethane</td>
<td>&lt;0.001 mg/kg dry</td>
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<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Chlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
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<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>0.002 mg/kg dry</td>
<td>0.001</td>
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<td>EPA 8260B</td>
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<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Xylenes, total</td>
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<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Bromoform</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>1,1,2,2-Tetrachloroethane</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.001 mg/kg dry</td>
<td>0.001</td>
<td>J31519</td>
<td>EPA 8260B</td>
<td>TVK</td>
<td>10/11/03</td>
<td>0:57</td>
</tr>
</tbody>
</table>

**Surrogates:**
- Dibromofluoromethane 105 %
- 1,2-Dichloroethane-d4 103 %
- Toluene-d8 103 %
- 4-Bromofluorobenzene 98.2 %

**Determination of Volatile Petroleum Hydrocarbons**

<table>
<thead>
<tr>
<th>TPH, as gasoline</th>
<th>&lt;5.0 mg/kg</th>
<th>J31028</th>
<th>EPA 8015</th>
<th>JRF</th>
<th>10/15/03</th>
<th>22:41</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surrogate: Chlorobenzene</td>
<td>89.7 %</td>
<td>62.1-122</td>
<td>JRF</td>
<td>10/15/03</td>
<td>22:41</td>
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</tbody>
</table>

**Determination of Extractable Petroleum Hydrocarbons**

<table>
<thead>
<tr>
<th>TEH, as gasoline</th>
<th>&lt;5 mg/kg</th>
<th>J31428</th>
<th>EPA 8015</th>
<th>SMG</th>
<th>10/21/03</th>
<th>1:15</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEH, as #2 diesel fuel</td>
<td>&lt;5 mg/kg</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/21/03</td>
<td>1:15</td>
</tr>
<tr>
<td>TEH, as waste oil</td>
<td>&lt;5 mg/kg</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/21/03</td>
<td>1:15</td>
</tr>
<tr>
<td>Total Extractable Hydrocarbons</td>
<td>&lt;5 mg/kg</td>
<td>J31428</td>
<td>EPA 8015</td>
<td>SMG</td>
<td>10/21/03</td>
<td>1:15</td>
</tr>
</tbody>
</table>

**Determination of Base/Neutral/Acid Extractable Compounds**

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.
<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>13J0432-13 DUP-I Matrix:Soil</td>
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<tr>
<td>Determination of Base/Neutral/Acid Extractable Compounds</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>N-Nitrosodimethylamine</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Phenol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Aniline</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Bis(2-Chloroethyl) Ether</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>1,3-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Benzyl Alcohol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>1,2-Dichlorobenzene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>n-Nitroso-di-n-propylamine</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>2-Methylphenol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Bis(2-Chloroisopropyl) Ether</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>(3 &amp; 4)-Methylphenol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Hexachloroethane</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Nitrobenzene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Isophorone</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>2-Nitrophenol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>2,4-Dimethylphenol</td>
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<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Bis(2-Chloroethoxy) Methane</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>2,4-Dichlorophenol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>Naphthalene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>4-Chloroaniline</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Hexachlorobutadiene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>4-Chloro-3-methylphenol</td>
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<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>2-Methylnaphthalene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>Hexachlorocyclopentadiene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>2,4,6-Trichlorophenol</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
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<tr>
<td>2,4,5-Trichlorophenol</td>
<td>&lt;1.65 mg/kg dry 1.65</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
<tr>
<td>2-Chloronaphthalene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>2-Nitroaniline</td>
<td>&lt;1.65 mg/kg dry 1.65</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Dimethylphthalate</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Acenaphthylene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>2,6-Dinitrotoluene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>3-Nitroaniline</td>
<td>&lt;1.65 mg/kg dry 1.65</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>Acenaphthene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>2,4-Dinitrophenol</td>
<td>&lt;1.65 mg/kg dry 1.65</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<tr>
<td>Dibenzoferan</td>
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<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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<td>2,4-Dinitrotoluene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
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</tr>
<tr>
<td>4-Nitrophenol</td>
<td>&lt;0.66 mg/kg dry 0.66</td>
<td>1.31639</td>
<td>EPA 8270C</td>
<td>EPP</td>
<td>10/22/03 19:22</td>
<td></td>
</tr>
</tbody>
</table>

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Phone 641-792-8451 600 East 17th Street South Newton, IA 50208 Fax 641-792-7989
<table>
<thead>
<tr>
<th>Analyte</th>
<th>Result</th>
<th>MRL</th>
<th>Batch</th>
<th>Method</th>
<th>Analyst</th>
<th>Analyzed Qualifier</th>
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<tr>
<td>13J0432-13 DUP-l</td>
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<td></td>
<td>Matrix: Soil</td>
<td>Collected: 10/08/03 08:00</td>
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<tr>
<td>Determination of Base/Neutral/Acid Extractable Compounds</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diethyl Phthalate</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>131639</td>
<td>EPA 8270C</td>
<td>EPP 10/22/03 19:22</td>
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<td></td>
</tr>
<tr>
<td>Fluorene</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>131639</td>
<td>EPA 8270C</td>
<td>EPP 10/22/03 19:22</td>
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</tr>
<tr>
<td>4-Chlorophenyl Phenyl Ether</td>
<td>&lt;0.33 mg/kg dry 0.33</td>
<td>131639</td>
<td>EPA 8270C</td>
<td>EPP 10/22/03 19:22</td>
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<tr>
<td>4-Nitroaniline</td>
<td>&lt;0.66 mg/kg dry 0.66</td>
<td>131639</td>
<td>EPA 8270C</td>
<td>EPP 10/22/03 19:22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4,6-Dimethyl-2-methylphenol</td>
<td>&lt;1.65 mg/kg dry 1.65</td>
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**Determination of Polychlorinated Biphenyls (PCB)**

| Arochlor 1016 | <0.050 mg/kg dry 0.050 | 131730 | EPA 8082 | EPP 10/22/03 23:49 |
| Arochlor 1221 | <0.050 mg/kg dry 0.050 | 131730 | EPA 8082 | EPP 10/22/03 23:49 |
| Arochlor 1232 | <0.050 mg/kg dry 0.050 | 131730 | EPA 8082 | EPP 10/22/03 23:49 |
| Arochlor 1242 | <0.050 mg/kg dry 0.050 | 131730 | EPA 8082 | EPP 10/22/03 23:49 |
| Arochlor 1248 | <0.050 mg/kg dry 0.050 | 131730 | EPA 8082 | EPP 10/22/03 23:49 |

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Work Order: 13J0432

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### Determination of Volatile Organic Compounds - Quality Control

**Keystone Laboratories, Inc. - Newton**

**Batch 1J31519 - EPA 5030B**

**Blank (1J31519-BLK1)**

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<th>Units</th>
<th>Spike Level</th>
<th>Source Result</th>
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**LCS (1J31519-BS1)**

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<th>Analyte</th>
<th>Result</th>
<th>Reporting Limit</th>
<th>Units</th>
<th>Spike Limit</th>
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### Calibration Check (IJJ31519-CCV1)

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### Matrix Spike (IJJ31519-MS1)

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<th>Source Result</th>
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<th>%R/E Limits</th>
<th>RPD</th>
<th>RPD Limit</th>
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Determination of Volatile Organic Compounds - Quality Control

Keystone Laboratories, Inc. - Newton

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<th>Spike Level</th>
<th>Source</th>
<th>%REC Limits</th>
<th>RPD Limit</th>
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**Matrix Spike (1J31519-MS1)**

Source: 13J0432-03
Prepared: 10/10/03  Analyzed: 10/11/03

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<th>Source</th>
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**Matrix Spike Dup (1J31519-MSD1)**

Source: 13J0432-03
Prepared: 10/10/03  Analyzed: 10/11/03

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Phone 641-792-8451
600 East 17th Street South
Newton, IA 50208
Fax 641-792-7989
### Determination of Volatile Petroleum Hydrocarbons - Quality Control

**Keystone Laboratories, Inc. - Newton**

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Determination of Extractable Petroleum Hydrocarbons - Quality Control

Keystone Laboratories, Inc. - Newton

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## Determination of Base/Neutral/Acid Extractable Compounds - Quality Control

Keystone Laboratories, Inc. - Newton

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## Determination of Base/Neutral/Acid Extractable Compounds - Quality Control

**Keystone Laboratories, Inc. - Newton**

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<th>Result</th>
<th>Reporting Limit</th>
<th>Units</th>
<th>Spike Level</th>
<th>Source Result</th>
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### Determination of Base/Neutral/Acid Extractable Compounds - Quality Control

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Determination of Base/Neutral/Acid Extractable Compounds - Quality Control
Keystone Laboratories, Inc. - Newton

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<th>Source</th>
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### Determination of Base/Neutral/Acid Extractable Compounds - Quality Control

**Keystone Laboratories, Inc. - Newton**

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<th>Result (mg/kg dry)</th>
<th>Reporting Limit</th>
<th>Units</th>
<th>Spike Level</th>
<th>Source</th>
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**Matrix Spike Dup (1J31639-MS1)**

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## Determination of Base/Neutral/Acid Extractable Compounds - Quality Control

Keystone Laboratories, Inc. - Newton

### Batch 1J31639 - 3545 BNA PFE

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<th>Source Result</th>
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## Determination of Base/Neutral/Acid Extractable Compounds - Quality Control

**Keystone Laboratories, Inc. - Newton**

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## Determination of Polychlorinated Biphenyls (PCB) - Quality Control

Keystone Laboratories, Inc. - Newton

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## Determination of Total Metals - Quality Control

Keystone Laboratories, Inc. - Newton

### Batch 1J31004 - EPA 3050B Solid Dig

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# Determination of Total Metals - Quality Control

**Keystone Laboratories, Inc. - Newton**

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Determinations of Total Metals - Quality Control
Keystone Laboratories, Inc. - Newton

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<td>Analyzed: 10/13/03</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Mercury, total</td>
<td>1.60</td>
<td>0.33</td>
<td>mg/kg dry</td>
<td>1.35</td>
<td>0.29</td>
<td>97.0</td>
<td>64-138</td>
<td>14.0</td>
<td>27</td>
<td></td>
</tr>
</tbody>
</table>

ND = Non Detect; REC = Recovery; RPD = Relative Percent Difference

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL = Method Reporting Limit.
Notes and Definitions

D-06  The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

QM-05  The spike recovery and/or RPD was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

QM-14  The spike recovery was outside acceptance limits for the MS and/or MSD. However, all other QC was acceptable.

QR-06  The reference standard was outside of established control limits.

S-04  The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

S-04  The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

S-AC  Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.

S-BN  Base/Neutral surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two base/neutral surrogates.

End of Report

Keystone Laboratories, Inc.
Jeffrey King, Ph.D.
Laboratory Director

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MRL = Method Reporting Limit.
Cooler # 5603

Keystone Laboratories, Inc.  Cooler/ Sample Receipt Form

Client:  Work Order:  Date Received: 10/9/05  Initials:  

Delivered By:  UPS/  AirBrn Pry Exp/  Mail/  Walk-in/  Courier / Other:  Air Bill Number:  

Type of packing material:  Bubble  Foam  Paper  Peanuts  Vermiculite  NA/ Other  

Custody Seal:  Present  Absent  Broken  Seal No.  COC signed and dated:  Yes  No  

Samples cooled by:  Ice/Ice Packs/  NA/ Other  Cooler Temperature (includes correction factor):  57  

Sample Receipt Discrepancies:  No  Yes (if Yes, see detail below)  

- Chain of Custody not present  
- Information obtained from PO/ letter received with samples  

- Container Problems:  
  - Label Absent  
  - Incorrect Containers for tests indicated  
  - Insufficient amount of sample for tests indicated  

- COC incomplete  
  - COC missing time sampled, time obtained from sample container.  
  - COC missing date sampled, date obtained from sample container  
  - Sample excluded from COC:  

- Broken or leaking containers:  SB-1-0-8 was broken.  
- Sample listed on COC not received:  

- Air bubbles in VOA vials:  

- Sample description on container label different from COC:  

Detailed Description/comments:  

Client contacted regarding cooler/sample receipt conditions:  Yes  No  

Contacted by  Date/Time:  10/9/05 12:40  

Who was contacted:  Diane  Remarks:  Left message on voice mail about the cooler.

Revision 1, 8/03  
Keystone Laboratories, Inc.