TABLE RWP-14
SUMMARY OF RESULTS OF ANALYSIS OF GROUND WATER SAMPLES FOR VOLATILE ORGANIC COMPOUNDS
AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | MW-1 | MW-2 | MW-3R | MW-12 | MW-13 | MW-14 | MW-15D | MW-15S | MW-16D | MW-16S | MW-17D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 |
| Matrix | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Units | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| VOLATILE ORGANIC COMPOUNDS (VOCs) | Class GA Values | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result |
| 1,2,4-Trimethylbenzene | 5 | ND | ND | 0.79 J | ND | ND | ND | 1.49 | 83.2 | 1.44 J | ND | 43.8 |
| 1,3,5-Trimethylbenzene | 5 | ND | ND | ND | ND | ND | ND | ND | 19.2 | ND | ND | 8.14 |
| 1,2,4,5-Tetramethylbenzene | 5 | ND | 0.82 J | 9.77 | ND | ND | 10.1 | 1.04 | 21.9 | 1.81 J | ND | 10.9 |
| Acetone | 50 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Benzene | 1 | ND | ND | 1.06 J | ND | ND | ND | ND | 8.36 | ND | ND | 15.4 |
| Carbon disulfide | 60 | ND | ND | ND | ND | ND | ND | ND | ND | 10.5 | ND | ND |
| Ethylbenzene | 5 | ND | ND | ND | ND | ND | ND | ND | 7.1 | ND | ND | 7.52 |
| Isopropylbenzene | 5 | ND | ND | 4.02 J | ND | ND | ND | ND | 8.44 | ND | ND | 4.44 |
| m&p-Xylene | 5* | ND | ND | ND | ND | ND | ND | ND | 20.9 | ND | ND | 2.23 |
| Napthlalene | 10 | ND | 4.4 J | 89.3 | ND | ND | ND | ND | 73.5 | ND | ND | 44 |
| n-Butylbenzene | 5 | ND | ND | 1.28 J | ND | ND | ND | ND | 5.94 | ND | ND | 3.14 |
| n-Propylbenzene | 5 | ND | ND | 6.14 | ND | ND | ND | ND | 12.5 | ND | ND | 8.69 |
| o-Xylene | 5* | ND | ND | ND | ND | ND | ND | ND | 15.5 | ND | ND | ND |
| p-Diethylbenzene | NC | ND | ND | ND | ND | ND | ND | ND | 22.7 | ND | ND | 11.2 |
| p-Ethyltoluene | NC | ND | ND | ND | ND | ND | ND | ND | 21.1 | ND | ND | 2.04 |
| p-Isopropyltoluene | 5 | ND | ND | ND | ND | ND | ND | ND | 5.13 | ND | ND | 2.51 |
| sec-Butylbenzene | 5 | ND | ND | 2.36 J | ND | ND | 2.19 J | ND | 4.95 J | ND | ND | 2.29 |
| Toluene | 5 | ND | ND | ND | ND | ND | ND | ND | 0.86 J | ND | ND | 0.98 |
| Total VOC TICs | NC | ND | 21 | 385 | ND | ND | 173 | ND | 738 | 37 | ND | 350 |

Notes:
µg/L - micrograms per liter

* There is no Standard or Guidance Value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.
MDL and the concentration is an approximate value.
ND - Not detected.
NC - No Criterion
Shading shows where C;ass GA Values groundwater standards were exceeded.

TABLE RWP-14
SUMMARY OF RESULTS OF ANALYSIS OF GROUND WATER SAMPLES FOR VOLATILE ORGANIC COMPOUNDS
AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | GW-1 | GW-2 | LMW-2 | LMW-4 |
|---|---|---|---|---|---|
| Sampling Date | | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/17/2011 |
| Matrix | | Water | Water | Water | Water |
| Units | | µg/L | µg/L | µg/L | µg/L |
| VOLATILE ORGANIC COMPOUNDS (VOCs) | Class GA Values | Result | Result | Result | Result |
| 1,2,4-Trimethylbenzene | 5 | ND | ND | ND | ND |
| 1,3,5-Trimethylbenzene | 5 | ND | ND | ND | ND |
| 1,2,4,5-Tetramethylbenzene | 5 | 1.5 J | ND | 14.4 | ND |
| Acetone | 50 | ND | ND | ND | 83.3 |
| Benzene | 1 | ND | ND | ND | ND |
| Carbon disulfide | 60 | ND | ND | ND | ND |
| Ethylbenzene | 5 | ND | ND | ND | ND |
| Isopropylbenzene | 5 | ND | ND | ND | ND |
| m&p-Xylene | 5* | ND | ND | ND | ND |
| Napthlalene | 10 | ND | ND | ND | ND |
| n-Butylbenzene | 5 | ND | ND | ND | ND |
| n-Propylbenzene | 5 | ND | ND | ND | ND |
| o-Xylene | 5* | ND | ND | ND | ND |
| p-Diethylbenzene | NC | ND | ND | ND | ND |
| p-Ethyltoluene | NC | ND | ND | ND | ND |
| p-Isopropyltoluene | 5 | ND | ND | ND | ND |
| sec-Butylbenzene | 5 | ND | ND | ND | ND |
| Toluene | 5 | ND | ND | ND | ND |
| Total VOC TICs | NC | ND | 12 | 134 | ND |

Notes:
µg/L - micrograms per liter

* There is no Standard or Guidance Value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.
MDL and the concentration is an approximate value.
ND - Not detected.
NC - No Criterion
Shading shows where C;ass GA Values groundwater standards were exceeded.

TABLE RWP-13
SUMMARY OF RESULTS OF ANALYSIS OF GROUND WATER SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS
AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | MW-1 | MW-2 | MW-3R | MW-12 | MW-13 | MW-14 | MW-15D | MW-15S | MW-16D | MW-16S | MW-17D |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sampling Date | | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/12/2011 |
| Matrix | | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water | Water |
| Units | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| SEMIVOLATILE ORGANIC COMPOUNDS (VOCs) | Class GA Values | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result | Result |
| 2-Methylnaphthalene | NC | ND | ND | 28.6 | ND | ND | 11.9 J | 25.8 | 18.4 | ND | ND | ND |
| 3 & 4 Methylphenol | NC | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Acenaphthene | 20 | ND | ND | ND | ND | ND | ND | ND | ND | ND | 1.49 J | ND |
| Carbazole | NC | ND | ND | ND | ND | ND | ND | ND | 3.09 J | ND | ND | ND |
| Cresols | NC | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Fluorene | 50 | ND | ND | ND | ND | ND | ND | 1.23 J | 1.99 J | ND | ND | ND |
| Naphthalene | 10 | ND | ND | 23.2 | ND | ND | ND | 10.2 | 12.5 | ND | ND | ND |
| Phenanthrene | 50 | ND | ND | ND | ND | ND | ND | 1.49 J | ND | ND | ND | ND |
| Phenol | 1 | ND | ND | 8.61 | ND | ND | ND | ND | ND | ND | ND | ND |
| Bis(2-ethylhexyl) phthalate | 5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Total SVOC TICs | NC | 80 | 16 | 67 | 5 | ND | 68 | 157 | 158 | 37 | 25 | 4 |

Notes:
µg/L - micrograms per liter
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
ND - Not detected.
NC - No Criterion
Shading shows where Class GA Values groundwater standards were exceeded.

TABLE RWP-13
SUMMARY OF RESULTS OF ANALYSIS OF GROUND WATER SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS
AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | GW-1 | GW-2 | LMW-2 | LMW-4 |
|---|---|---|---|---|---|
| Sampling Date | | 8/12/2011 | 8/12/2011 | 8/12/2011 | 8/17/2011 |
| Matrix | | Water | Water | Water | Water |
| Units | | µg/L | µg/L | µg/L | µg/L |
| SEMIVOLATILE ORGANIC COMPOUNDS (VOCs) | Class GA Values | Result | Result | Result | Result |
| 2-Methylnaphthalene | NC | ND | ND | 12.5 | ND |
| 3 & 4 Methylphenol | NC | ND | ND | ND | 7.29 |
| Acenaphthene | 20 | 1.04 | ND | 2.34 J | ND |
| Carbazole | NC | ND | ND | ND | ND |
| Cresols | NC | ND | ND | ND | 7.29 J |
| Fluorene | 50 | ND | ND | 2.33 J | ND |
| Naphthalene | 10 | ND | ND | ND | ND |
| Phenanthrene | 50 | ND | ND | ND | ND |
| Phenol | 1 | ND | ND | ND | ND |
| Bis(2-ethylhexyl) phthalate | 5 | ND | ND | 2.56 | ND |
| Total SVOC TICs | NC | 25 | 21 | ND | 181 |

Notes:
µg/L - micrograms per liter
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
ND - Not detected.
NC - No Criterion
Shading shows where Class GA Values groundwater standards were exceeded.

TABLE RWP-9
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-1B | | SB-1C | | SB-2B | | SB-2C | | SB-3B | | SB-3C | | SB-4B | | SB-4C | | SB-5B | | SB-5C | | SB-6B | | SB-6C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Soil | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| Isophorone | NC | NC | | <54.9 | U | <58.8 | U | <108 | U | <52.2 | U | <51.3 | U | <53.8 | U | <214 | U | <224 | U | <203 | U | <214 | U | <50.8 | U | <215 | U |
| N-Nitrosodi-n-propylamine | NC | NC | | <36.3 | U | <38.9 | U | <71.6 | U | <34.5 | U | <33.9 | U | <35.5 | U | <141 | U | <148 | U | <134 | U | <142 | U | <33.6 | U | <142 | U |
| N-Nitrosodimethylamine | NC | NC | | <76.2 | U | <81.7 | U | <150 | U | <72.5 | U | <71.3 | U | <74.7 | U | <297 | U | <311 | U | <282 | U | <298 | U | <70.6 | U | <299 | U |
| N-Nitrosodiphenylamine | NC | NC | | <65.4 | U | <70.1 | U | <129 | U | <62.2 | U | <61.2 | U | <64.1 | U | <255 | U | <267 | U | <242 | U | <256 | U | <60.6 | U | <256 | U |
| Naphthalene | 12,000 | 100,000 | | <48.3 | U | <51.7 | U | <95.3 | U | <45.9 | U | <45.1 | U | <47.3 | U | <188 | U | <197 | U | <178 | U | <189 | U | <44.7 | U | <189 | U |
| Nitrobenzene | NC | NC | | <46.5 | U | <49.8 | U | <91.7 | U | <44.2 | U | <43.4 | U | <45.5 | U | <181 | U | <190 | U | <172 | U | <181 | U | <43.0 | U | <182 | U |
| Pentachlorophenol | 800 | 6,700 | | <455 | U | <488 | U | <898 | U | <433 | U | <425 | U | <446 | U | <1770 | U | <1860 | U | <1680 | U | <1780 | U | <422 | U | <1780 | U |
| Phenanthrene | 100,000 | 100,000 | | <54.6 | U | <58.6 | U | <108 | U | <51.9 | U | <51.1 | U | <53.5 | U | <213 | U | <223 | U | <202 | U | <213 | U | <50.6 | U | <214 | U |
| Phenol | 330 | 100,000 | | <31.3 | U | <33.6 | U | <61.8 | U | <29.8 | U | <29.3 | U | <30.7 | U | <122 | U | <128 | U | <116 | U | <122 | U | <29.0 | U | <123 | U |
| Pyrene | 100,000 | 100,000 | | <44.4 | U | <47.6 | U | 347 | B | <42.2 | U | 164 | B | 366 | B | 225 | | <181 | U | <164 | U | 464 | B | 329 | J | 175 | J |
| Pyridine | NC | NC | | <68.8 | U | <73.7 | U | <136 | U | <65.4 | U | <64.3 | U | <67.4 | U | <268 | U | <281 | U | <254 | U | <269 | U | <63.7 | U | <270 | U |
| Total SVOC TICs | NC | NC | 100,000 | NR | | NR | | NR | | NR | | NR | | NR | | NR | | NR | | 4,870 | | 95,820 | | 194,740 | | 147,200 | |

Notes:
µg/kg - micrograms per kilogram
B - Analyte found in the method blank as well as the sample indicating possible cross contamination;
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
U - Indicates the analyte was analyzed for but not detected
NR - No result
NC - No Criterion
SCO - Soil Cleanup Objective
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.
** There is no SCO for 3+4-methylphenol. The Unrestricted Use SCOs for 3-methylphenol and 4-methylphenol are 330 µg/kg. The Restricted-Residential Use SCOs are 100,000 µg/kg.

TABLE RWP-9
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-7A | | SB-8A | | SB-8B | | SB-8C | | SB-8D | | SB-9A | | SB-9B | | SB-9C | | SB-9D | | SB-10B | | SB-10C | | SB-11A | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0-0.5 | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0.5-3 | | 3-7 | | 0-0.5 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Solid | | Solid | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| 1,2,4-Trichlorobenzene | NC | NC | | <202 | U | <176 | U | <91.7 | U | <49.3 | U | <50.7 | U | NR | | <185 | U | <53.5 | U | <51.9 | U | <179 | U | <51.6 | U | <206 | U |
| 1,2-Dichlorobenzene | NC | NC | | <150 | U | <130 | U | <68.1 | U | <36.7 | U | <37.7 | U | NR | | <138 | U | <39.8 | U | <38.5 | U | <133 | U | <38.3 | U | <153 | U |
| 1,2-Diphenylhydrazine | NC | NC | | <147 | U | <127 | U | <66.6 | U | <35.8 | U | <36.8 | U | NR | | <135 | U | <38.9 | U | <37.7 | U | <130 | U | <37.5 | U | <150 | U |
| 1,3-Dichlorobenzene | NC | NC | | <163 | U | <142 | U | <74.1 | U | <39.9 | U | <41.0 | U | NR | | <150 | U | <43.2 | U | <41.9 | U | <145 | U | <41.7 | U | <167 | U |
| 1,4-Dichlorobenzene | NC | NC | | <158 | U | <138 | U | <71.9 | U | <38.7 | U | <39.8 | U | NR | | <145 | U | <42.0 | U | <40.6 | U | <140 | U | <40.4 | U | <162 | U |
| 2,3,4,6-Tetrachlorophenol | NC | NC | | <192 | U | <167 | U | <87.3 | U | <47.0 | U | <48.3 | U | NR | | <176 | U | <51.0 | U | <49.4 | U | <171 | U | <49.1 | U | <197 | U |
| 2,4,5-Trichlorophenol | NC | NC | | <105 | U | <91.6 | U | <47.9 | U | <25.7 | U | <26.5 | U | NR | | <96.7 | U | <27.9 | U | <27.1 | U | <93.4 | U | <26.9 | U | <108 | U |
| 2,4,6-Trichlorophenol | NC | NC | | <183 | U | <159 | U | <82.9 | U | <44.6 | U | <45.9 | U | NR | | <167 | U | <48.4 | U | <46.9 | U | <162 | U | <46.7 | U | <187 | U |
| 2,4-Dichlorophenol | NC | NC | | <159 | U | <138 | U | <72.3 | U | <38.9 | U | <40.0 | U | NR | | <146 | U | <42.2 | U | <40.9 | U | <141 | U | <40.7 | U | <163 | U |
| 2,4-Dimethylphenol | NC | NC | | <203 | U | <176 | U | <92.2 | U | <49.6 | U | <51.0 | U | NR | | <186 | U | <53.8 | U | <52.1 | U | <180 | U | <51.9 | U | <207 | U |
| 2,4-Dinitrophenol | NC | NC | | <1710 | U | <1490 | U | <776 | U | <418 | U | <429 | U | NR | | <1570 | U | <453 | U | <439 | U | <1520 | U | <437 | U | <1750 | U |
| 2,4-Dinitrotoluene | NC | NC | | <292 | U | <253 | U | <132 | U | <71.2 | U | <73.2 | U | NR | | <267 | U | <77.2 | U | <74.8 | U | <258 | U | <74.4 | U | <298 | U |
| 2,6-Dinitrotoluene | NC | NC | | <200 | U | <174 | U | <90.8 | U | <48.9 | U | <50.2 | U | NR | | <184 | U | <53.0 | U | <51.4 | U | <177 | U | <51.1 | U | <204 | U |
| 2-Chloronaphthalene | NC | NC | | <234 | U | <203 | U | <106 | U | <57.2 | U | <58.8 | U | NR | | <215 | U | <62.0 | U | <60.1 | U | <208 | U | <59.8 | U | <239 | U |
| 2-Chlorophenol | NC | NC | | <234 | U | <203 | U | <106 | U | <57.2 | U | <58.8 | U | NR | | <215 | U | <62.0 | U | <60.1 | U | <208 | U | <59.8 | U | <239 | U |
| 2-Methylnaphthalene | NC | NC | | <193 | U | <168 | U | <87.5 | U | <47.1 | U | 192 | J | NR | | 1210 | J | <51.1 | U | <49.5 | U | 5300 | | 311 | J | <197 | U |
| 2-Methylphenol | 330 | 100,000 | | <174 | U | <151 | U | <78.9 | U | <42.5 | U | <43.7 | U | NR | | <159 | U | <46.1 | U | <44.6 | U | <154 | U | <44.4 | U | <178 | U |
| 2-Nitroaniline | NC | NC | | <253 | U | <220 | U | <115 | U | <61.8 | U | <63.5 | U | NR | | <232 | U | <67.1 | U | <65.0 | U | <224 | U | <64.6 | U | <259 | U |
| 2-Nitrophenol | NC | NC | | <148 | U | <128 | U | <67.0 | U | <36.1 | U | <37.1 | U | NR | | <135 | U | <39.1 | U | <37.9 | U | <131 | U | <37.7 | U | <151 | U |
| 3+4-Methylphenol | 330** | 330** | | <150 | U | <130 | U | <68.1 | U | <36.7 | U | <37.7 | U | NR | | <138 | U | <39.8 | U | <38.5 | U | <133 | U | <38.3 | U | <153 | U |
| 3,3'-Dichlorobenzidine | NC | NC | | <234 | U | <203 | U | <106 | U | <57.2 | U | <58.8 | U | NR | | <215 | U | <62.0 | U | <60.1 | U | <208 | U | <59.8 | U | <239 | U |
| 3-Nitroaniline | NC | NC | | <83.6 | U | <72.6 | U | <37.9 | U | <20.4 | U | <21.0 | U | NR | | <76.6 | U | <22.1 | U | <21.4 | U | <74.1 | U | <21.3 | U | <85.4 | U |
| 4,6-Dinitro-2-methylphenol | NC | NC | | <2120 | U | <1840 | U | <964 | U | <518 | U | <533 | U | NR | | <1950 | U | <562 | U | <545 | U | <1880 | U | <542 | U | <2170 | U |
| 4-Bromophenyl phenyl ether | NC | NC | | <221 | U | <192 | U | <100 | U | <53.9 | U | <55.4 | U | NR | | <202 | U | <58.4 | U | <56.6 | U | <195 | U | <56.3 | U | <225 | U |
| 4-Chloro-3-methylphenol | NC | NC | | <181 | U | <157 | U | <82.2 | U | <44.2 | U | <45.5 | U | NR | | <166 | U | <48.0 | U | <46.5 | U | <161 | U | <46.3 | U | <185 | U |
| 4-Chloroaniline | NC | NC | | <185 | U | <161 | U | <84.0 | U | <45.2 | U | <46.5 | U | NR | | <170 | U | <49.0 | U | <47.5 | U | <164 | U | <47.3 | U | <189 | U |
| 4-Chlorophenyl phenyl ether | NC | NC | | <189 | U | <164 | U | <85.8 | U | <46.1 | U | <47.4 | U | NR | | <173 | U | <50.1 | U | <48.5 | U | <167 | U | <48.3 | U | <193 | U |
| 4-Nitroaniline | NC | NC | | <475 | U | <413 | U | <216 | U | <116 | U | <119 | U | NR | | <436 | U | <126 | U | <122 | U | <421 | U | <121 | U | <485 | U |
| 4-Nitrophenol | NC | NC | | <3240 | U | <2810 | U | <1470 | U | <791 | U | <813 | U | NR | | <2970 | U | <858 | U | <832 | U | <2870 | U | <828 | U | <3310 | U |
| Acenaphthene | 20,000 | 100,000 | | <205 | U | <178 | U | <92.8 | U | <49.9 | U | <51.3 | U | NR | | <188 | U | <54.2 | U | <52.5 | U | 560 | J | 88.3 | J | <209 | U |
| Acenaphthylene | 100,000 | 100,000 | | <167 | U | <145 | U | <75.9 | U | <40.8 | U | <42.0 | U | NR | | <153 | U | <44.3 | U | <42.9 | U | <148 | U | <42.7 | U | <171 | U |
| Aniline | NC | NC | | <151 | U | <131 | U | <68.6 | U | <36.9 | U | <37.9 | U | NR | | <139 | U | <40.0 | U | <38.8 | U | <134 | U | <38.6 | U | <154 | U |
| Anthracene | 100,000 | 100,000 | | <216 | U | <188 | U | <98.1 | U | <52.8 | U | <54.3 | U | NR | | <198 | U | <57.3 | U | <55.5 | U | <192 | U | <55.2 | U | <221 | U |
| Benzidine | NC | NC | | <4270 | U | <3700 | U | <1940 | U | <1040 | U | <1070 | U | NR | | <3910 | U | <1130 | U | <1090 | U | <3780 | U | <1090 | U | <4360 | U |
| Benzo(a)anthracene | 1,000 | 1,000 | | <206 | U | <178 | U | <93.3 | U | <50.2 | U | <51.6 | U | NR | | <188 | U | <54.4 | U | <52.7 | U | <182 | U | <52.5 | U | <210 | U |
| Benzo(a)pyrene | 1,000 | 1,000 | | <253 | U | <220 | U | <115 | U | <61.8 | U | <63.5 | U | NR | | <232 | U | <67.1 | U | <65.0 | U | <224 | U | <64.6 | U | <259 | U |
| Benzo(b)fluoranthene | 1,000 | 1,000 | | <202 | U | <175 | U | <91.5 | U | <49.2 | U | <50.6 | U | NR | | <185 | U | <53.4 | U | <51.7 | U | <179 | U | <51.5 | U | <206 | U |
| Benzo(g,h,i)perylene | 100,000 | 100,000 | | <371 | U | <322 | U | <168 | U | <90.6 | U | <93.2 | U | NR | | <340 | U | <98.3 | U | <95.3 | U | <329 | U | <94.8 | U | <379 | U |
| Benzo(k)fluoranthene | 800 | 3,900 | | <370 | U | <321 | U | <168 | U | <90.3 | U | <92.8 | U | NR | | <339 | U | <97.9 | U | <94.9 | U | <328 | U | <94.4 | U | <378 | U |
| Benzoic acid | NC | NC | | <28500 | U | <24700 | U | <12900 | U | <6950 | U | <7150 | U | NR | | <26100 | U | <7540 | U | <7310 | U | <25200 | U | <7270 | U | <29100 | U |
| Benzyl alcohol | NC | NC | | <287 | U | <249 | U | <130 | U | <70.0 | U | <72.0 | U | NR | | <263 | U | <75.9 | U | <73.6 | U | <254 | U | <73.2 | U | <293 | U |
| bis(2-Chloroethoxy)methane | NC | NC | | <201 | U | <175 | U | <91.3 | U | <49.1 | U | <50.5 | U | NR | | <184 | U | <53.3 | U | <51.6 | U | <178 | U | <51.4 | U | <205 | U |
| bis(2-Chloroethyl)ether | NC | NC | | <230 | U | <200 | U | <104 | U | <56.1 | U | <57.7 | U | NR | | <211 | U | <60.9 | U | <59.0 | U | <204 | U | <58.7 | U | <235 | U |
| bis(2-Chloroisopropyl)ether | NC | NC | | <178 | U | <155 | U | <80.9 | U | <43.5 | U | <44.8 | U | NR | | <163 | U | <47.2 | U | <45.8 | U | <158 | U | <45.5 | U | <182 | U |
| bis(2-Ethylhexyl)phthalate | NC | NC | | <318 | U | <276 | U | <144 | U | <77.7 | U | 99.7 | J | NR | | <292 | U | <84.3 | U | <81.7 | U | <282 | U | <81.3 | U | <325 | U |
| Butyl benzyl phthalate | NC | NC | | <257 | U | <223 | U | <116 | U | <62.6 | U | <64.4 | U | NR | | <235 | U | <68.0 | U | <65.8 | U | <227 | U | <65.5 | U | <262 | U |
| Carbazole | NC | NC | | <280 | U | <243 | U | <127 | U | <68.3 | U | <70.2 | U | NR | | <257 | U | <74.1 | U | <71.8 | U | <248 | U | <71.5 | U | <286 | U |
| Chrysene | 1,000 | 3,900 | | <257 | U | <223 | U | <117 | U | <62.8 | U | <64.5 | U | NR | | <236 | U | <68.1 | U | <66.0 | U | <228 | U | <65.6 | U | <263 | U |
| Cresols | NC | NC | | <324 | U | <281 | U | <147 | U | <79.2 | U | <81.4 | U | NR | | <297 | U | <85.9 | U | <83.1 | U | <287 | U | <82.7 | U | <331 | U |
| Di-n-butyl phthalate | NC | NC | | <274 | U | <238 | U | <124 | U | <66.8 | U | <68.7 | U | NR | | <251 | U | <72.5 | U | <70.2 | U | <242 | U | <69.9 | U | <279 | U |
| Di-n-octyl phthalate | NC | NC | | <239 | U | <208 | U | <108 | U | <58.4 | U | <60.0 | U | NR | | <219 | U | <63.3 | U | <61.3 | U | <212 | U | <61.0 | U | <244 | U |
| Dibenz(a,h)anthracene | 330 | 330 | | <271 | U | <235 | U | <123 | U | <66.2 | U | <68.0 | U | NR | | <249 | U | <71.8 | U | <69.6 | U | <240 | U | <69.2 | U | <277 | U |
| Dibenzofuran | 7,000 | 59,000 | | <162 | U | <141 | U | <73.6 | U | <39.6 | U | <40.7 | U | NR | | <149 | U | <43.0 | U | <41.6 | U | <144 | U | <41.4 | U | <166 | U |
| Diethyl phthalate | NC | NC | | <318 | U | <276 | U | <144 | U | <77.6 | U | <79.8 | U | NR | | <291 | U | <84.2 | U | <81.5 | U | <282 | U | <81.1 | U | <325 | U |
| Dimethyl phthalate | NC | NC | | <235 | U | <204 | U | <107 | U | <57.3 | U | <58.9 | U | NR | | <215 | U | <62.2 | U | <60.2 | U | <208 | U | <59.9 | U | <240 | U |
| Fluoranthene | 100,000 | 100,000 | | <268 | U | <232 | U | <121 | U | <65.4 | U | <67.2 | U | NR | | <245 | U | <70.9 | U | <68.7 | U | <237 | U | <68.4 | U | <273 | U |
| Fluorene | 30,000 | 100,000 | | <195 | U | <170 | U | <88.6 | U | <47.7 | U | <49.0 | U | NR | | <179 | U | <51.7 | U | <50.1 | U | <173 | U | 109 | J | <200 | U |
| Hexachlorobenzene | 330 | 1,200 | | <208 | U | <181 | U | <94.4 | U | <50.8 | U | <52.2 | U | NR | | <191 | U | <55.1 | U | <53.4 | U | <184 | U | <53.1 | U | <212 | U |
| Hexachlorobutadiene | NC | NC | | <194 | U | <169 | U | <88.2 | U | <47.4 | U | <48.8 | U | NR | | <178 | U | <51.5 | U | <49.9 | U | <172 | U | <49.6 | U | <199 | U |
| Hexachlorocyclopentadiene | NC | NC | | <1500 | U | <1300 | U | <681 | U | <367 | U | <377 | U | NR | | <1380 | U | <398 | U | <385 | U | <1330 | U | <383 | U | <1530 | U |
| Hexachloroethane | NC | NC | | <216 | U | <188 | U | <98.1 | U | <52.8 | U | <54.3 | U | NR | | <198 | U | <57.3 | U | <55.5 | U | <192 | U | <55.2 | U | <221 | U |
| Indeno(1,2,3-cd)pyrene | 500 | 500 | | <225 | U | <195 | U | <102 | U | <54.8 | U | <56.3 | U | NR | | <206 | U | <59.5 | U | <57.6 | U | <199 | U | <57.3 | U | <229 | U |

TABLE RWP-9
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-7A | | SB-8A | | SB-8B | | SB-8C | | SB-8D | | SB-9A | | SB-9B | | SB-9C | | SB-9D | | SB-10B | | SB-10C | | SB-11A | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0-0.5 | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0.5-3 | | 3-7 | | 0-0.5 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Solid | | Solid | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| Isophorone | NC | NC | | <222 | U | <193 | U | <101 | U | <54.2 | U | <55.7 | U | NR | | <204 | U | <58.8 | U | <57.0 | U | <197 | U | <56.7 | U | <227 | U |
| N-Nitrosodi-n-propylamine | NC | NC | | <147 | U | <127 | U | <66.6 | U | <35.8 | U | <36.8 | U | NR | | <135 | U | <38.9 | U | <37.7 | U | <130 | U | <37.5 | U | <150 | U |
| N-Nitrosodimethylamine | NC | NC | | <309 | U | <268 | U | <140 | U | <75.3 | U | <77.4 | U | NR | | <283 | U | <81.7 | U | <79.2 | U | <273 | U | <78.8 | U | <315 | U |
| N-Nitrosodiphenylamine | NC | NC | | <265 | U | <230 | U | <120 | U | <64.7 | U | <66.5 | U | NR | | <243 | U | <70.1 | U | <68.0 | U | <235 | U | <67.6 | U | <270 | U |
| Naphthalene | 12,000 | 100,000 | | <195 | U | <170 | U | <88.6 | U | <47.7 | U | <49.0 | U | NR | | <179 | U | <51.7 | U | <50.1 | U | 2480 | | 155 | | <200 | U |
| Nitrobenzene | NC | NC | | <188 | U | <163 | U | <85.3 | U | <45.9 | U | <47.2 | U | NR | | <172 | U | <49.8 | U | <48.3 | U | <167 | U | <48.0 | U | <192 | U |
| Pentachlorophenol | 800 | 6,700 | | <1840 | U | <1600 | U | <836 | U | <450 | U | <462 | U | NR | | <1690 | U | <488 | U | <473 | U | <1630 | U | <470 | U | <1880 | U |
| Phenanthrene | 100,000 | 100,000 | | <221 | U | <192 | U | <100 | U | <54.0 | U | 88.6 | J | NR | | 1070 | J | <58.6 | U | <56.7 | U | 2110 | J | 211 | J | <226 | U |
| Phenol | 330 | 100,000 | | <127 | U | <110 | U | <57.6 | U | <31.0 | U | <31.8 | U | NR | | <116 | U | <33.6 | U | <32.5 | U | <112 | U | <32.4 | U | <130 | U |
| Pyrene | 100,000 | 100,000 | | <180 | U | <156 | U | <81.6 | U | <43.9 | U | <45.1 | U | NR | | <165 | U | <47.6 | U | <46.1 | U | <159 | U | <45.9 | U | <184 | U |
| Pyridine | NC | NC | | <278 | U | <242 | U | <126 | U | <68.0 | U | <69.9 | U | NR | | <255 | U | <73.7 | U | <71.4 | U | <247 | U | <71.1 | U | <284 | U |
| Total SVOC TICs | NC | NC | 100,000 | NR | | NR | | 25,607 | | 744 | | NR | | NR | | 191,450 | | 17,725 | | NR | | 207,240 | | 19,832 | | NR | |

Notes:
µg/kg - micrograms per kilogram
B - Analyte found in the method blank as well as the sample indicating possible cross contamination;
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
U - Indicates the analyte was analyzed for but not detected
NR - No result
NC - No Criterion
SCO - Soil Cleanup Objective
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.
** There is no SCO for 3+4-methylphenol. The Unrestricted Use SCOs for 3-methylphenol and 4-methylphenol are 330 µg/kg. The Restricted-Residential Use SCOs are 100,000 µg/kg.

TABLE RWP-9
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-12A | | SB-12B | | SB-12C | | SB-12D | | SB-13B | | SB-13C | | SB-14A | | SB-14B | | SB-14C | | SB-15A | | SB-15B | | SB-15C | | SB-16A | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0.5-3 | | 3-7 | | 0-0.5 | | 0.5-3 | | 3-7 | | 0-0.5 | | 0.5-3 | | 3-7 | | 0-0.5 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107318 | | 1107318 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| 1,2,4-Trichlorobenzene | NC | NC | | NR | | <188 | U | <46.1 | U | <203 | U | <227 | U | <48.2 | U | NR | | <45.8 | U | <48.7 | U | NR | | <181 | U | <49.5 | U | <125 | U |
| 1,2-Dichlorobenzene | NC | NC | | NR | | <139 | U | <34.3 | U | <151 | U | <168 | U | <35.8 | U | NR | | <34.0 | U | <36.2 | U | NR | | <134 | U | <36.7 | U | <93.1 | U |
| 1,2-Diphenylhydrazine | NC | NC | | NR | | <136 | U | <33.5 | U | <147 | U | <164 | U | <35.0 | U | NR | | <33.2 | U | <35.4 | U | NR | | <131 | U | <35.9 | U | <91.0 | U |
| 1,3-Dichlorobenzene | NC | NC | | NR | | <152 | U | <37.3 | U | <164 | U | <183 | U | <38.9 | U | NR | | <37.0 | U | <39.3 | U | NR | | <146 | U | <40.0 | U | <101 | U |
| 1,4-Dichlorobenzene | NC | NC | | NR | | <147 | U | <36.1 | U | <159 | U | <178 | U | <37.8 | U | NR | | <35.9 | U | <38.2 | U | NR | | <142 | U | <38.8 | U | <98.2 | U |
| 2,3,4,6-Tetrachlorophenol | NC | NC | | NR | | <179 | U | <43.9 | U | <193 | U | <216 | U | <45.9 | U | NR | | <43.6 | U | <46.4 | U | NR | | <172 | U | <47.1 | U | <119 | U |
| 2,4,5-Trichlorophenol | NC | NC | | NR | | <97.9 | U | <24.1 | U | <106 | U | <118 | U | <25.1 | U | NR | | <23.9 | U | <25.4 | U | NR | | <94.5 | U | <25.8 | U | <65.4 | U |
| 2,4,6-Trichlorophenol | NC | NC | | NR | | <170 | U | <41.7 | U | <184 | U | <205 | U | <43.6 | U | NR | | <41.4 | U | <44.0 | U | NR | | <164 | U | <44.7 | U | <113 | U |
| 2,4-Dichlorophenol | NC | NC | | NR | | <148 | U | <36.4 | U | <160 | U | <179 | U | <38.0 | U | NR | | <36.1 | U | <38.4 | U | NR | | <143 | U | <39.0 | U | <98.8 | U |
| 2,4-Dimethylphenol | NC | NC | | NR | | <189 | U | <46.3 | U | <204 | U | <228 | U | <48.4 | U | NR | | <46.0 | U | <48.9 | U | NR | | <182 | U | <49.7 | U | <126 | U |
| 2,4-Dinitrophenol | NC | NC | | NR | | <1590 | U | <390 | U | <1720 | U | <1920 | U | <408 | U | NR | | <387 | U | <412 | U | NR | | <1530 | U | <419 | U | <1060 | U |
| 2,4-Dinitrotoluene | NC | NC | | NR | | <271 | U | <66.5 | U | <293 | U | <327 | U | <69.5 | U | NR | | <66.0 | U | <70.3 | U | NR | | <261 | U | <71.3 | U | <181 | U |
| 2,6-Dinitrotoluene | NC | NC | | NR | | <186 | U | <45.7 | U | <201 | U | <224 | U | <47.7 | U | NR | | <45.3 | U | <48.2 | U | NR | | <179 | U | <49.0 | U | <124 | U |
| 2-Chloronaphthalene | NC | NC | | NR | | <217 | U | <53.4 | U | <235 | U | <263 | U | <55.9 | U | NR | | <53.0 | U | <56.4 | U | NR | | <210 | U | <57.3 | U | <145 | U |
| 2-Chlorophenol | NC | NC | | NR | | <217 | U | <53.4 | U | <235 | U | <263 | U | <55.9 | U | NR | | <53.0 | U | <56.4 | U | NR | | <210 | U | <57.3 | U | <145 | U |
| 2-Methylnaphthalene | NC | NC | | NR | | 917 | J | 50300 | | 21300 | | 19000 | | <46.0 | U | NR | | 566 | | 86700 | | NR | | 53200 | | 108 | J | 424 | J |
| 2-Methylphenol | 330 | 100,000 | | NR | | <161 | U | <39.7 | U | <175 | U | <195 | U | <41.5 | U | NR | | <39.4 | U | <41.9 | U | NR | | <156 | U | <42.6 | U | <108 | U |
| 2-Nitroaniline | NC | NC | | NR | | <235 | U | <57.8 | U | <254 | U | <284 | U | <60.4 | U | NR | | <57.3 | U | <61.0 | U | NR | | <227 | U | <62.0 | U | <157 | U |
| 2-Nitrophenol | NC | NC | | NR | | <137 | U | <33.7 | U | <148 | U | <166 | U | <35.2 | U | NR | | <33.4 | U | <35.6 | U | NR | | <132 | U | <36.1 | U | <91.6 | U |
| 3+4-Methylphenol | 330** | 330** | | NR | | <139 | U | <34.3 | U | <151 | U | <168 | U | <35.8 | U | NR | | <34.0 | U | <36.2 | U | NR | | <134 | U | <36.7 | U | <93.1 | U |
| 3,3'-Dichlorobenzidine | NC | NC | | NR | | <217 | U | <53.4 | U | <235 | U | <263 | U | <55.9 | U | NR | | <53.0 | U | <56.4 | U | NR | | <210 | U | <57.3 | U | <145 | U |
| 3-Nitroaniline | NC | NC | | NR | | <77.6 | U | <19.1 | U | <84.0 | U | <93.7 | U | <19.9 | U | NR | | <18.9 | U | <20.1 | U | NR | | <74.9 | U | <20.5 | U | <51.8 | U |
| 4,6-Dinitro-2-methylphenol | NC | NC | | NR | | <1970 | U | <484 | U | <2130 | U | <2380 | U | <506 | U | NR | | <481 | U | <512 | U | NR | | <1900 | U | <520 | U | <1320 | U |
| 4-Bromophenyl phenyl ether | NC | NC | | NR | | <205 | U | <50.3 | U | <222 | U | <247 | U | <52.6 | U | NR | | <49.9 | U | 123 | | NR | | <198 | U | <54.0 | U | <137 | U |
| 4-Chloro-3-methylphenol | NC | NC | | NR | | <168 | U | <41.4 | U | <182 | U | <203 | U | <43.2 | U | NR | | <41.0 | U | <43.7 | U | NR | | <162 | U | <44.4 | U | <112 | U |
| 4-Chloroaniline | NC | NC | | NR | | <172 | U | <42.2 | U | <186 | U | <208 | U | <44.1 | U | NR | | <41.9 | U | <44.6 | U | NR | | <166 | U | <45.3 | U | <115 | U |
| 4-Chlorophenyl phenyl ether | NC | NC | | NR | | <175 | U | <43.1 | U | <190 | U | <212 | U | <45.1 | U | NR | | <42.8 | U | <45.6 | U | NR | | <169 | U | <46.3 | U | <117 | U |
| 4-Nitroaniline | NC | NC | | NR | | <441 | U | <108 | U | <478 | U | <533 | U | <113 | U | NR | | <108 | U | <115 | U | NR | | <426 | U | <116 | U | <295 | U |
| 4-Nitrophenol | NC | NC | | NR | | <3010 | U | <739 | U | <3260 | U | <3630 | U | <773 | U | NR | | <734 | U | <781 | U | NR | | <2900 | U | <793 | U | <2010 | U |
| Acenaphthene | 20,000 | 100,000 | | NR | | 1280 | J | 1870 | | 1320 | J | 1110 | J | <48.8 | U | NR | | <46.3 | U | 4200 | U | NR | | 4110 | | <50.1 | U | <127 | U |
| Acenaphthylene | 100,000 | 100,000 | | NR | | <155 | U | <38.1 | U | <168 | U | <187 | U | <39.9 | U | NR | | <37.8 | U | <40.3 | U | NR | | <150 | U | <40.9 | U | <104 | U |
| Aniline | NC | NC | | NR | | <140 | U | <34.5 | U | <152 | U | <169 | U | <36.0 | U | NR | | <34.2 | U | <36.4 | U | NR | | <135 | U | <37.0 | U | <93.7 | U |
| Anthracene | 100,000 | 100,000 | | NR | | <201 | U | <49.3 | U | <217 | U | <242 | U | <51.6 | U | NR | | <49.0 | U | <52.1 | U | NR | | <194 | U | <52.9 | U | <134 | U |
| Benzidine | NC | NC | | NR | | <3960 | U | <973 | U | <4290 | U | <4780 | U | <1020 | U | NR | | <966 | U | <1030 | U | NR | | <3820 | U | <1040 | U | <2640 | U |
| Benzo(a)anthracene | 1,000 | 1,000 | | NR | | <191 | U | <46.9 | U | <207 | U | <230 | U | <49.0 | U | NR | | <46.5 | U | 71.8 | | NR | | <184 | U | <50.3 | U | <127 | U |
| Benzo(a)pyrene | 1,000 | 1,000 | | NR | | <235 | U | <57.8 | U | <254 | U | <284 | U | <60.4 | U | NR | | <57.3 | U | <61.0 | U | NR | | <227 | U | <62.0 | U | <157 | U |
| Benzo(b)fluoranthene | 1,000 | 1,000 | | NR | | <187 | U | <46.0 | U | <203 | U | <226 | U | <48.1 | U | NR | | <45.7 | U | <48.6 | U | NR | | <181 | U | <49.3 | U | <125 | U |
| Benzo(g,h,i)perylene | 100,000 | 100,000 | | NR | | <345 | U | <84.7 | U | <373 | U | <416 | U | <88.5 | U | NR | | <84.0 | U | <89.5 | U | NR | | <333 | U | <90.8 | U | <230 | U |
| Benzo(k)fluoranthene | 800 | 3,900 | | NR | | <343 | U | <84.4 | U | <372 | U | <414 | U | <88.2 | U | NR | | <83.7 | U | <89.1 | U | NR | | <331 | U | <90.5 | U | <229 | U |
| Benzoic acid | NC | NC | | NR | | <26400 | U | <6500 | U | <28600 | U | <31900 | U | <6790 | U | NR | | <6450 | U | <6860 | U | NR | | <25500 | U | <6970 | U | <17700 | U |
| Benzyl alcohol | NC | NC | | NR | | <266 | U | <65.4 | U | <288 | U | <321 | U | <68.4 | U | NR | | <64.9 | U | <69.1 | U | NR | | <257 | U | <70.2 | U | <178 | U |
| bis(2-Chloroethoxy)methane | NC | NC | | NR | | <187 | U | <45.9 | U | <202 | U | <225 | U | <48.0 | U | NR | | <45.5 | U | <48.5 | U | NR | | <180 | U | <49.2 | U | <125 | U |
| bis(2-Chloroethyl)ether | NC | NC | | NR | | <213 | U | <52.4 | U | <231 | U | <258 | U | <54.8 | U | NR | | <52.0 | U | <55.4 | U | NR | | <206 | U | <56.2 | U | <142 | U |
| bis(2-Chloroisopropyl)ether | NC | NC | | NR | | <166 | U | <40.7 | U | <179 | U | <200 | U | <42.5 | U | NR | | <40.4 | U | <43.0 | U | NR | | <160 | U | <43.6 | U | <111 | U |
| bis(2-Ethylhexyl)phthalate | NC | NC | | NR | | <295 | U | <72.6 | U | 400 | J | 2020 | J | <75.9 | U | NR | | 430 | J | 199 | J | NR | | 361 | | 105 | J | <197 | U |
| Butyl benzyl phthalate | NC | NC | | NR | | <238 | U | <58.5 | U | <258 | U | <288 | U | <61.2 | U | NR | | <58.1 | U | <61.8 | U | NR | | <230 | U | <62.8 | U | <159 | U |
| Carbazole | NC | NC | | NR | | <260 | U | <63.9 | U | <281 | U | <314 | U | <66.7 | U | NR | | <63.4 | U | <67.4 | U | NR | | <251 | U | <68.5 | U | <173 | U |
| Chrysene | 1,000 | 3,900 | | NR | | <239 | U | <58.6 | U | <258 | U | <288 | U | <61.3 | U | NR | | <58.2 | U | 118 | | NR | | <230 | U | <62.9 | U | <159 | U |
| Cresols | NC | NC | | NR | | <300 | U | <74.0 | U | <326 | U | <363 | U | <77.3 | U | NR | | <73.4 | U | <78.1 | U | NR | | <290 | U | <79.3 | U | <201 | U |
| Di-n-butyl phthalate | NC | NC | | NR | | <254 | U | <62.4 | U | <275 | U | <307 | U | <65.2 | U | NR | | <61.9 | U | <65.9 | U | NR | | <245 | U | <66.9 | U | <170 | U |
| Di-n-octyl phthalate | NC | NC | | NR | | <222 | U | <54.5 | U | <240 | U | <268 | U | <57.0 | U | NR | | <54.1 | U | <57.6 | U | NR | | <214 | U | <58.5 | U | <148 | U |
| Dibenz(a,h)anthracene | 330 | 330 | | NR | | <252 | U | <61.9 | U | <273 | U | <304 | U | <64.7 | U | NR | | <61.4 | U | <65.3 | U | NR | | <243 | U | <66.3 | U | <168 | U |
| Dibenzofuran | 7,000 | 59,000 | | NR | | <151 | U | <37.0 | U | <163 | U | <182 | U | <38.7 | U | NR | | <36.7 | U | <39.1 | U | NR | | <145 | U | <39.7 | U | <101 | U |
| Diethyl phthalate | NC | NC | | NR | | <295 | U | <72.5 | U | <319 | U | <356 | U | <75.8 | U | NR | | <71.9 | U | <76.6 | U | NR | | <285 | U | <77.8 | U | <197 | U |
| Dimethyl phthalate | NC | NC | | NR | | <218 | U | <53.5 | U | <236 | U | <263 | U | <56.0 | U | NR | | <53.1 | U | <56.6 | U | NR | | <210 | U | <57.4 | U | <145 | U |
| Fluoranthene | 100,000 | 100,000 | | NR | | 743 | J | 186 | J | 554 | J | <300 | U | <63.8 | U | NR | | <60.6 | U | 955 | U | NR | | 590 | J | <65.5 | U | <166 | U |
| Fluorene | 30,000 | 100,000 | | NR | | 1860 | J | 3440 | | <196 | U | 2380 | J | <46.6 | U | NR | | <44.2 | U | 3120 | | NR | | 7260 | | 54.5 | J | <121 | U |
| Hexachlorobenzene | 330 | 1,200 | | NR | | <193 | U | <47.5 | U | <209 | U | <233 | U | <49.6 | U | NR | | <47.1 | U | <50.1 | U | NR | | <186 | U | <50.9 | U | <129 | U |
| Hexachlorobutadiene | NC | NC | | NR | | <180 | U | <44.3 | U | <195 | U | <218 | U | <46.3 | U | NR | | <44.0 | U | <46.8 | U | NR | | <174 | U | <47.6 | U | <120 | U |
| Hexachlorocyclopentadiene | NC | NC | | NR | | <1390 | U | <343 | U | <1510 | U | <1680 | U | <358 | U | NR | | <340 | U | <362 | U | NR | | <1340 | U | <367 | U | <931 | U |
| Hexachloroethane | NC | NC | | NR | | <201 | U | <49.3 | U | <217 | U | <242 | U | <51.6 | U | NR | | <49.0 | U | <52.1 | U | NR | | <194 | U | <52.9 | U | <134 | U |
| Indeno(1,2,3-cd)pyrene | 500 | 500 | | NR | | <208 | U | <51.2 | U | <226 | U | <252 | U | <53.5 | U | NR | | <50.8 | U | <54.1 | U | NR | | <201 | U | <54.9 | U | <139 | U |

TABLE RWP-10
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-1B | | SB-1C | | SB-2B | | SB-2C | | SB-3B | | SB-3C | | SB-4B | | SB-4C | | SB-5B | | SB-5C | | SB-6B | | SB-6C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | | 0.5-3 | | 3-7 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Soil | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| VOLATILE ORGANIC COMPOUNDS (VOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| p-Ethyltoluene | NC | NC | | <0.84 | U | <0.90 | U | <0.83 | U | <0.80 | U | <0.78 | U | <0.82 | U | <0.82 | U | <0.86 | U | <0.77 | U | <119 | U | <0.77 | U | <0.82 | U |
| sec-Butylbenzene | 11,000 | 100,000 | | <0.76 | U | <0.81 | U | <0.75 | U | <0.72 | U | <0.71 | U | <0.74 | U | <0.74 | U | <0.77 | U | <0.70 | U | <115 | U | <0.70 | U | <0.74 | U |
| Styrene | NC | NC | | <0.49 | U | <0.52 | U | <0.48 | U | <0.46 | U | <0.46 | U | <0.48 | U | <0.47 | U | <0.50 | U | <0.45 | U | <119 | U | <0.45 | U | <0.48 | U |
| t-1,2-Dichloroethene | 190 | 100,000 | | <0.92 | U | <0.99 | U | <0.91 | U | <0.87 | U | <0.86 | U | <0.90 | U | <0.89 | U | <0.94 | U | <0.85 | U | <140 | U | <0.85 | U | <0.90 | U |
| t-1,3-Dichloropropene | NC | NC | | <0.89 | U | <0.96 | U | <0.88 | U | <0.85 | U | <0.83 | U | <0.87 | U | <0.87 | U | <0.91 | U | <0.82 | U | <116 | U | <0.82 | U | <0.87 | U |
| tert- Amyl methyl EtherTAME | NC | NC | | <0.65 | U | <0.70 | U | <0.64 | U | <0.62 | U | <0.61 | U | <0.64 | U | <0.63 | U | <0.66 | U | <0.60 | U | <126 | U | <0.60 | U | <0.64 | U |
| tert-Butylbenzene | 5,900 | 100,000 | | <0.70 | U | <0.75 | U | <0.69 | U | <0.67 | U | <0.66 | U | <0.69 | U | <0.68 | U | <0.72 | U | <0.65 | U | <125 | U | <0.65 | U | <0.69 | U |
| Tertiary butyl alcohol | NC | NC | | <19.7 | U | <21.1 | U | <19.4 | U | <18.7 | U | <18.4 | U | <19.3 | U | <19.1 | U | <20.1 | U | <18.2 | U | <1190 | U | <18.2 | U | <19.3 | U |
| Tetrachloroethene (PCE) | 1,300 | 19,000 | | <0.78 | U | <0.84 | U | <0.77 | U | <0.75 | U | <0.73 | U | <0.77 | U | <0.76 | U | <0.80 | U | <0.73 | U | <123 | U | <0.73 | U | <0.77 | U |
| Toluene | 700 | 100,000 | | <0.89 | U | <0.96 | U | <0.88 | U | <0.85 | U | <0.83 | U | <0.87 | U | <0.87 | U | <0.91 | U | <0.82 | U | <159 | U | <0.82 | U | <0.87 | U |
| Trichloroethene (TCE) | 470 | 21,000 | | <0.81 | U | <0.87 | U | <0.80 | U | <0.77 | U | <0.76 | U | <0.80 | U | <0.79 | U | <0.83 | U | <0.75 | U | <138 | U | <0.75 | U | <0.80 | U |
| Trichlorofluoromethane | NC | NC | | <0.78 | U | <0.84 | U | <0.77 | U | <0.75 | U | <0.73 | U | <0.77 | U | <0.76 | U | <0.80 | U | <0.73 | U | <147 | U | <0.73 | U | <0.77 | U |
| Vinyl Chloride | 20 | 900 | | <0.65 | U | <0.70 | U | <0.64 | U | <0.62 | U | <0.61 | U | <0.64 | U | <0.63 | U | <0.66 | U | <0.60 | U | <121 | U | <0.60 | U | <0.64 | U |
| Total VOC TICs | NC | NC | 10,000 | 101 | | 0 | | 376 | | 217 | | 285 | | 359 | | 0 | | 94 | | 57 | | 57,310 | | 749 | | 46 | |

Notes:
µg/kg - micrograms per kilogram
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
U - Indicates the analyte was analyzed for but not detected
NR - No Result
NC - No Criterion
SCO - Soil Cleanup Objective
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.
** There is no SCO for m/p xylene or o-xylene. The Unrestricted Use SCO for total xylenes is 260 µg/kg. The Restricted-Residential Use SCO for total xylenes is 100,000 µg/kg.

TABLE RWP-10
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-7A | | SB-8A | | SB-8B | | SB-8C | | SB-8D | | SB-9A | | SB-9B | | SB-9C | | SB-9D | | SB-10B | | SB-10C | | SB-11A | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0-0.5 | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0.5-3 | | 3-7 | | 0-0.5 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Solid | | Solid | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| VOLATILE ORGANIC COMPOUNDS (VOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| 1,1,1-Trichloroethane (TCA) | 680 | 100,000 | | <0.82 | U | <0.71 | U | <0.74 | U | <0.80 | U | <0.82 | U | NR | | <0.75 | U | <0.87 | U | <0.84 | U | <128 | U | <0.84 | U | <0.84 | U |
| 1,1,1,2-Tetrachloroethane | NC | NC | | <0.68 | U | <0.59 | U | <0.62 | U | <0.67 | U | <0.69 | U | NR | | <0.63 | U | <0.73 | U | <0.70 | U | <116 | U | <0.70 | U | <0.70 | U |
| 1,1,2,2-Tetrachloroethane | NC | NC | | <1.06 | U | <0.92 | U | <0.97 | U | <1.04 | U | <1.07 | U | NR | | <0.98 | U | <1.13 | U | <1.10 | U | <101 | U | <1.09 | U | <1.09 | U |
| 1,1,2-Trichloroethane | NC | NC | | <1.01 | U | <0.88 | U | <0.92 | U | <0.99 | U | <1.01 | U | NR | | <0.93 | U | <1.07 | U | <1.04 | U | <122 | U | <1.03 | U | <1.03 | U |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | NC | NC | | <0.68 | U | <0.59 | U | <0.62 | U | <0.67 | U | <0.69 | U | NR | | <0.63 | U | <0.73 | U | <0.70 | U | <119 | U | <0.70 | U | <0.70 | U |
| 1,1-Dichloroethane | 270 | 26,000 | | <0.60 | U | <0.52 | U | <0.55 | U | <0.59 | U | <0.60 | U | NR | | <0.55 | U | <0.64 | U | <0.62 | U | <136 | U | <0.61 | U | <0.61 | U |
| 1,1-Dichloroethene | 330 | 100,000 | | <0.79 | U | <0.69 | U | <0.72 | U | <0.77 | U | <0.79 | U | NR | | <0.73 | U | <0.84 | U | <0.81 | U | <126 | U | <0.81 | U | <0.81 | U |
| 1,1-Dichloropropene | NC | NC | | <1.31 | U | <1.14 | U | <1.19 | U | <1.28 | U | <1.32 | U | NR | | <1.20 | U | <1.39 | U | <1.35 | U | <108 | U | <1.34 | U | <1.34 | U |
| 1,2,3-Trichlorobenzene | NC | NC | | <0.96 | U | <0.83 | U | <0.87 | U | <0.93 | U | <0.96 | U | NR | | <0.88 | U | <1.01 | U | <0.98 | U | <83.7 | U | <0.98 | U | <0.98 | U |
| 1,2,3-Trichloropropane | NC | NC | | <1.69 | U | <1.47 | U | <1.54 | U | <1.66 | U | <1.70 | U | NR | | <1.56 | U | <1.80 | U | <1.74 | U | <105 | U | <1.73 | U | <1.73 | U |
| 1,2,4,5-Tetramethylbenzene (Durene) | NC | NC | | <0.98 | U | <0.85 | U | 9.5 | J | 12 | J | 5.91 | J | NR | | 5.29 | J | 3.91 | | 4.92 | | 3,620 | | 8.79 | J | <1.00 | U |
| 1,2,4-Trichlorobenzene | NC | NC | | <0.82 | U | <0.71 | U | <0.74 | U | <0.80 | U | <0.82 | U | NR | | <0.75 | U | <0.87 | U | <0.84 | U | <90.4 | U | <0.84 | U | <0.84 | U |
| 1,2,4-Trimethylbenzene | 3,600 | 52,000 | | <0.82 | U | <0.71 | U | <0.74 | U | <0.80 | U | <0.82 | U | NR | | <0.75 | U | <0.87 | U | <0.84 | U | 8,540 | | <0.84 | U | <0.84 | U |
| 1,2-Dibromo-3-chloropropane | NC | NC | | <2.21 | U | <1.92 | U | <2.01 | U | <2.16 | U | <2.22 | U | NR | | <2.03 | U | <2.35 | U | <2.28 | U | <101 | U | <2.26 | U | <2.26 | U |
| 1,2-Dibromoethane | NC | NC | | <0.79 | U | <0.69 | U | <0.72 | U | <0.77 | U | <0.79 | U | NR | | <0.73 | U | <0.84 | U | <0.81 | U | <105 | U | <0.81 | U | <0.81 | U |
| 1,2-Dichlorobenzene | 1,100 | 100,000 | | <0.87 | U | <0.76 | U | <0.79 | U | <0.85 | U | <0.88 | U | NR | | <0.80 | U | <0.93 | U | <0.90 | U | <108 | U | <0.89 | U | <0.89 | U |
| 1,2-Dichloroethane | 20 | 3,100 | | <0.96 | U | <0.83 | U | <0.87 | U | <0.93 | U | <0.96 | U | NR | | <0.88 | U | <1.01 | U | <0.98 | U | <131 | U | <0.98 | U | <0.98 | U |
| 1,2-Dichloropropane | NC | NC | | <1.04 | U | <0.90 | U | <0.94 | U | <1.01 | U | <1.04 | U | NR | | <0.95 | U | <1.10 | U | <1.07 | U | <120 | U | <1.06 | U | <1.06 | U |
| 1,3,5-Trimethylbenzene | 8,400 | 52,000 | | <0.93 | U | <0.81 | U | <0.84 | U | <0.91 | U | <0.93 | U | NR | | <0.85 | U | <0.99 | U | <0.96 | U | 3540 | | <0.95 | U | <0.95 | U |
| 1,3-Dichlorobenzene | 2,400 | 49,000 | | <0.74 | U | <0.64 | U | <0.67 | U | <0.72 | U | <0.74 | U | NR | | <0.68 | U | <0.78 | U | <0.76 | U | <104 | U | <0.75 | U | <0.75 | U |
| 1,3-Dichloropropane | NC | NC | | <0.57 | U | <0.50 | U | <0.52 | U | <0.56 | U | <0.58 | U | NR | | <0.53 | U | <0.61 | U | <0.59 | U | <112 | U | <0.59 | U | <0.59 | U |
| 1,4-Dichlorobenzene | 1,800 | 13,000 | | <0.57 | U | <0.50 | U | <0.52 | U | <0.56 | U | <0.58 | U | NR | | <0.53 | U | <0.61 | U | <0.59 | U | <105 | U | <0.59 | U | <0.59 | U |
| 2,2-Dichloropropane | NC | NC | | <1.01 | U | <0.88 | U | <0.92 | U | <0.99 | U | <1.01 | U | NR | | <0.93 | U | <1.07 | U | <1.04 | U | <117 | U | <1.03 | U | <1.03 | U |
| 2-Butanone (MEK) | 120 | 100,000 | | <5.73 | U | <4.98 | U | <5.21 | U | <5.61 | U | <5.75 | U | NR | | <5.27 | U | <6.09 | U | <5.90 | U | <103 | U | <5.86 | U | <5.86 | U |
| 2-Chloroethylvinylether | NC | NC | | <4.45 | U | <3.86 | U | <4.04 | U | <4.35 | U | <4.47 | U | NR | | <4.09 | U | <4.73 | U | <4.58 | U | <192 | U | <4.55 | U | <4.55 | U |
| 2-Chlorotoluene | NC | NC | | <0.74 | U | <0.64 | U | <0.67 | U | <0.72 | U | <0.74 | U | NR | | <0.68 | U | <0.78 | U | <0.76 | U | <112 | U | <0.75 | U | <0.75 | U |
| 2-Hexanone | NC | NC | | <2.40 | U | <2.09 | U | <2.18 | U | <2.35 | U | <2.41 | U | NR | | <2.21 | U | <2.55 | U | <2.47 | U | <82.3 | U | <2.46 | U | <2.46 | U |
| 4-Chlorotoluene | NC | NC | | <0.82 | U | <0.71 | U | <0.74 | U | <0.80 | U | <0.82 | U | NR | | <0.75 | U | <0.87 | U | <0.84 | U | <105 | U | <0.84 | U | <0.84 | U |
| 4-Isopropyltoluene | NC | NC | | <0.63 | U | <0.55 | U | <0.57 | U | <0.61 | U | <0.63 | U | NR | | <0.58 | U | <0.67 | U | <0.65 | U | 2560 | | <0.64 | U | <0.64 | U |
| 4-Methyl-2-pentanone | NC | NC | | <3.63 | U | <3.15 | U | <3.30 | U | <3.55 | U | <3.64 | U | NR | | <3.34 | U | <3.86 | U | <3.74 | U | <116 | U | <3.71 | U | <3.71 | U |
| Acetone | 50 | 100,000 | | <6.72 | U | <5.83 | U | <6.10 | U | <6.57 | U | <6.74 | U | NR | | <6.17 | U | <7.13 | U | <6.91 | U | <157 | U | <6.86 | U | <6.86 | U |
| Acrylonitrile | NC | NC | | <16.8 | U | <14.6 | U | <15.3 | U | <16.4 | U | <16.9 | U | NR | | <15.4 | U | <17.8 | U | <17.3 | U | <510 | U | <17.2 | U | <17.2 | U |
| Benzene | 60 | 4,800 | | <0.85 | U | <0.73 | U | <0.77 | U | <0.83 | U | <0.85 | U | NR | | <0.78 | U | <0.90 | U | <0.87 | U | <119 | U | <0.86 | U | <0.86 | U |
| Bromobenzene | NC | NC | | <0.85 | U | <0.73 | U | <0.77 | U | <0.83 | U | <0.85 | U | NR | | <0.78 | U | <0.90 | U | <0.87 | U | <108 | U | <0.86 | U | <0.86 | U |
| Bromochloromethane | NC | NC | | <1.12 | U | <0.97 | U | <1.02 | U | <1.09 | U | <1.12 | U | NR | | <1.03 | U | <1.19 | U | <1.15 | U | <123 | U | <1.14 | U | <1.14 | U |
| Bromodichloromethane | NC | NC | | <0.82 | U | <0.71 | U | <0.74 | U | <0.80 | U | <0.82 | U | NR | | <0.75 | U | <0.87 | U | <0.84 | U | <120 | U | <0.84 | U | <0.84 | U |
| Bromoform | NC | NC | | <0.90 | U | <0.78 | U | <0.82 | U | <0.88 | U | <0.90 | U | NR | | <0.83 | U | <0.96 | U | <0.93 | U | <109 | U | <0.92 | U | <0.92 | U |
| Bromomethane | NC | NC | | <1.34 | U | <1.16 | U | <1.22 | U | <1.31 | U | <1.34 | U | NR | | <1.23 | U | <1.42 | U | <1.38 | U | <138 | U | <1.37 | U | <1.37 | U |
| Carbon disulfide | NC | NC | | <0.79 | U | <0.69 | U | <0.72 | U | <0.77 | U | <0.79 | U | NR | | <0.73 | U | <0.84 | U | <0.81 | U | <111 | U | <0.81 | U | <0.81 | U |
| Carbon Tetrachloride | 760 | 2,400 | | <1.04 | U | <0.90 | U | <0.94 | U | <1.01 | U | <1.04 | U | NR | | <0.95 | U | <1.10 | U | <1.07 | U | <122 | U | <1.06 | U | <1.06 | U |
| Chlorobenzene | 1,100 | 100,000 | | <0.71 | U | <0.62 | U | <0.64 | U | <0.69 | U | <0.71 | U | NR | | <0.65 | U | <0.75 | U | <0.73 | U | <116 | U | <0.73 | U | <0.73 | U |
| Chlorodifluoromethane (Freon 22) | NC | NC | | <0.79 | U | <0.69 | U | <0.72 | U | <0.77 | U | <0.79 | U | NR | | <0.73 | U | <0.84 | U | <0.81 | U | <126 | U | <0.81 | U | <0.81 | U |
| Chloroethane | NC | NC | | <1.17 | U | <1.02 | U | <1.07 | U | <1.15 | U | <1.18 | U | NR | | <1.08 | U | <1.25 | U | <1.21 | U | <194 | U | <1.20 | U | <1.20 | U |
| Chloroform | 370 | 49,000 | | <0.66 | U | <0.57 | U | <0.60 | U | <0.64 | U | <0.66 | U | NR | | <0.60 | U | <0.70 | U | <0.67 | U | <131 | U | <0.67 | U | <0.67 | U |
| Chloromethane | NC | NC | | <1.06 | U | <0.92 | U | <0.97 | U | <1.04 | U | <1.07 | U | NR | | <0.98 | U | <1.13 | U | <1.10 | U | <107 | U | <1.09 | U | <1.09 | U |
| c-1,2-Dichloroethene | 250 | 100,000 | | <1.06 | U | <0.92 | U | <0.97 | U | <1.04 | U | <1.07 | U | NR | | <0.98 | U | <1.13 | U | <1.10 | U | <120 | U | <1.09 | U | <1.09 | U |
| c-1,3-Dichloropropene | NC | NC | | <0.85 | U | <0.73 | U | <0.77 | U | <0.83 | U | <0.85 | U | NR | | <0.78 | U | <0.90 | U | <0.87 | U | <117 | U | <0.86 | U | <0.86 | U |
| Dibromochloromethane | NC | NC | | <0.55 | U | <0.47 | U | <0.50 | U | <0.53 | U | <0.55 | U | NR | | <0.50 | U | <0.58 | U | <0.56 | U | <112 | U | <0.56 | U | <0.56 | U |
| Dibromomethane | NC | NC | | <0.71 | U | <0.62 | U | <0.64 | U | <0.69 | U | <0.71 | U | NR | | <0.65 | U | <0.75 | U | <0.73 | U | <123 | U | <0.73 | U | <0.73 | U |
| Dichlorodifluoromethane | NC | NC | | <1.06 | U | <0.92 | U | <0.97 | U | <1.04 | U | <1.07 | U | NR | | <0.98 | U | <1.13 | U | <1.10 | U | <108 | U | <1.09 | U | <1.09 | U |
| Ethylbenzene | 1,000 | 41,000 | | <1.06 | U | <0.92 | U | <0.97 | U | <1.04 | U | <1.07 | U | NR | | <0.98 | U | <1.13 | U | <1.10 | U | 311 | | <1.09 | U | <1.09 | U |
| Hexachlorobutadiene | NC | NC | | <0.93 | U | <0.81 | U | <0.84 | U | <0.91 | U | <0.93 | U | NR | | <0.85 | U | <0.99 | U | <0.96 | U | <107 | U | <0.95 | U | <0.95 | U |
| Isopropylbenzene | NC | NC | | <0.68 | U | <0.59 | U | <0.62 | U | <0.67 | U | <0.69 | U | NR | | <0.63 | U | <0.73 | U | <0.70 | U | 445 | J | <0.70 | U | <0.70 | U |
| m,p-xylene | NC** | NC** | | <1.72 | U | <1.49 | U | <1.56 | U | <1.68 | U | <1.73 | U | NR | | <1.58 | U | <1.83 | U | <1.77 | U | 338 | | <1.76 | U | <1.76 | U |
| Methyl t-butyl ether (MTBE) | 930 | 100,000 | | <0.85 | U | <0.73 | U | <0.77 | U | <0.83 | U | <0.85 | U | NR | | <0.78 | U | <0.90 | U | <0.87 | U | <119 | U | <0.86 | U | <0.86 | U |
| Methylene Chloride | 50 | 100,000 | | <0.55 | U | <0.47 | U | <0.50 | U | <0.53 | U | <0.55 | U | NR | | <0.50 | U | <0.58 | U | <0.56 | U | <146 | U | <0.56 | U | <0.56 | U |
| Naphthalene | NC | NC | | <1.45 | U | <1.26 | U | <1.31 | U | <1.42 | U | <1.45 | U | NR | | <1.33 | U | <1.54 | U | <1.49 | U | 5210 | | <1.48 | U | <1.48 | U |
| n-Butylbenzene | 12,000 | 100,000 | | <0.74 | U | <0.64 | U | <0.67 | U | <0.72 | U | <0.74 | U | NR | | <0.68 | U | <0.78 | U | <0.76 | U | <112 | U | <0.75 | U | <0.75 | U |
| n-Propylbenzene | 3,900 | 100,000 | | <0.96 | U | <0.83 | U | <0.87 | U | <0.93 | U | <0.96 | U | NR | | <0.88 | U | <1.01 | U | <0.98 | U | 1040 | | <0.98 | U | <0.98 | U |
| o-xylene | NC** | NC** | | <0.93 | U | <0.81 | U | <0.84 | U | <0.91 | U | <0.93 | U | NR | | <0.85 | U | <0.99 | U | <0.96 | U | 698 | | <0.95 | U | <0.95 | U |
| p-Diethylbenzene | NC | NC | | <0.74 | U | <0.64 | U | <0.67 | U | <0.72 | U | <0.74 | U | NR | | <0.68 | U | <0.78 | U | <0.76 | U | 12600 | | <0.75 | U | <0.75 | U |

TABLE RWP-10
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-7A | | SB-8A | | SB-8B | | SB-8C | | SB-8D | | SB-9A | | SB-9B | | SB-9C | | SB-9D | | SB-10B | | SB-10C | | SB-11A | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0-0.5 | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0.5-3 | | 3-7 | | 0-0.5 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Soil | | Solid | | Solid | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| VOLATILE ORGANIC COMPOUNDS (VOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| p-Ethyltoluene | NC | NC | | <0.85 | U | <0.73 | U | <0.77 | U | <0.83 | U | <0.85 | U | NR | | <0.78 | U | <0.90 | U | <0.87 | U | 1770 | | <0.86 | U | <0.86 | U |
| sec-Butylbenzene | 11,000 | 100,000 | | <0.76 | U | <0.66 | U | <0.69 | U | <0.75 | U | <0.77 | U | NR | | <0.70 | U | <0.81 | U | <0.79 | U | 1440 | | <0.78 | U | <0.78 | U |
| Styrene | NC | NC | | <0.49 | U | <0.43 | U | <0.45 | U | <0.48 | U | <0.49 | U | NR | | <0.45 | U | <0.52 | U | <0.51 | U | <109 | U | <0.50 | U | <0.50 | U |
| t-1,2-Dichloroethene | 190 | 100,000 | | <0.93 | U | <0.81 | U | <0.84 | U | <0.91 | U | <0.93 | U | NR | | <0.85 | U | <0.99 | U | <0.96 | U | <128 | U | <0.95 | U | <0.95 | U |
| t-1,3-Dichloropropene | NC | NC | | <0.90 | U | <0.78 | U | <0.82 | U | <0.88 | U | <0.90 | U | NR | | <0.83 | U | <0.96 | U | <0.93 | U | <107 | U | <0.92 | U | <0.92 | U |
| tert- Amyl methyl EtherTAME | NC | NC | | <0.66 | U | <0.57 | U | <0.60 | U | <0.64 | U | <0.66 | U | NR | | <0.60 | U | <0.70 | U | <0.67 | U | <116 | U | <0.67 | U | <0.67 | U |
| tert-Butylbenzene | 5,900 | 100,000 | | <0.71 | U | <0.62 | U | <0.64 | U | <0.69 | U | <0.71 | U | NR | | <0.65 | U | <0.75 | U | <0.73 | U | <115 | U | <0.73 | U | <0.73 | U |
| Tertiary butyl alcohol | NC | NC | | <19.9 | U | <17.3 | U | <18.1 | U | <19.4 | U | <19.9 | U | NR | | <18.3 | U | <21.1 | U | <20.5 | U | <1090 | U | <20.3 | U | <20.3 | U |
| Tetrachloroethene (PCE) | 1,300 | 19,000 | | <0.79 | U | <0.69 | U | <0.72 | U | <0.77 | U | <0.79 | U | NR | | <0.73 | U | <0.84 | U | <0.81 | U | <113 | U | <0.81 | U | <0.81 | U |
| Toluene | 700 | 100,000 | | <0.90 | U | <0.78 | U | <0.82 | U | <0.88 | U | <0.90 | U | NR | | <0.83 | U | <0.96 | U | <0.93 | U | <146 | U | <0.92 | U | <0.92 | U |
| Trichloroethene (TCE) | 470 | 21,000 | | <0.82 | U | <0.71 | U | <0.74 | U | <0.80 | U | <0.82 | U | NR | | <0.75 | U | <0.87 | U | <0.84 | U | <127 | U | <0.84 | U | <0.84 | U |
| Trichlorofluoromethane | NC | NC | | <0.79 | U | <0.69 | U | <0.72 | U | <0.77 | U | <0.79 | U | NR | | <0.73 | U | <0.84 | U | <0.81 | U | <135 | U | <0.81 | U | <0.81 | U |
| Vinyl Chloride | 20 | 900 | | <0.66 | U | <0.57 | U | <0.60 | U | <0.64 | U | <0.66 | U | NR | | <0.60 | U | <0.70 | U | <0.67 | U | <111 | U | <0.67 | U | <0.67 | U |
| Total VOC TICs | NC | NC | 10,000 | 0 | | 0 | | 68 | | 0 | | 0 | | NR | | 167 | | 0 | | 14 | | 107,590 | | 0 | | 0 | |

Notes:
µg/kg - micrograms per kilogram
J - Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
U - Indicates the analyte was analyzed for but not detected
NR - No Result
NC - No Criterion
SCO - Soil Cleanup Objective
Shading indicates result above SCO. Color representing least stringent SCO exceeded is shown unless otherwise noted.
** There is no SCO for m/p xylene or o-xylene. The Unrestricted Use SCO for total xylenes is 260 µg/kg. The Restricted-Residential Use SCO for total xylenes is 100,000 µg/kg.

TABLE RWP-10
SUMMARY OF RESULTS OF ANALYSIS OF SOIL SAMPLES FOR VOLATILE ORGANIC COMPOUNDS
JULY/AUGUST 2011
FORMER CIBRO PETROLEUM TERMINAL SITE
BROWNFIELD CLEANUP SITE C130153
ISLAND PARK, NASSAU COUNTY, NEW YORK

| Sample ID | | | | SB-12A | | SB-12B | | SB-12C | | SB-12D | | SB-13B | | SB-13C | | SB-14A | | SB-14B | | SB-14C | | SB-15A | | SB-15B | | SB-15C | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | | | | 0-0.5 | | 0.5-3 | | 3-7 | | 7+ | | 0.5-3 | | 3-7 | | 0-0.5 | | 0.5-3 | | 3-7 | | 0-0.5 | | 0.5-3 | | 3-7 | |
| Lab Sample ID | | | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107290 | | 1107318 | | 1107318 | |
| Sampling Date | | | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | | 7/21/2011 | |
| Matrix | | | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | | Solid | |
| Units | | | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | | µg/kg | |
| VOLATILE ORGANIC COMPOUNDS (VOCs) | Unrestricted Use SCO | Restricted-Residential Use SCO | Proposed Site-Specific SCO | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | | Result | |
| 1,1,1-Trichloroethane (TCA) | 680 | 100,000 | | NR | | <134 | U | <132 | U | <290 | U | <129 | U | <138 | U | NR | | <131 | U | <0.79 | U | NR | | <129 | U | <142 | U |
| 1,1,1,2-Tetrachloroethane | NC | NC | | NR | | <121 | U | <120 | U | <262 | U | <117 | U | <125 | U | NR | | <119 | U | <0.66 | U | NR | | <117 | U | <128 | U |
| 1,1,2,2-Tetrachloroethane | NC | NC | | NR | | <106 | U | <104 | U | <229 | U | <102 | U | <109 | U | NR | | <104 | U | <1.03 | U | NR | | <102 | U | <112 | U |
| 1,1,2-Trichloroethane | NC | NC | | NR | | <127 | U | <125 | U | <274 | U | <122 | U | <130 | U | NR | | <124 | U | <0.97 | U | NR | | <122 | U | <134 | U |
| 1,1,2-Trichlorotrifluoroethane (Freon 113) | NC | NC | | NR | | <124 | U | <122 | U | <268 | U | <120 | U | <128 | U | NR | | <121 | U | <0.66 | U | NR | | <120 | U | <131 | U |
| 1,1-Dichloroethane | 270 | 26,000 | | NR | | <142 | U | <140 | U | <308 | U | <137 | U | <146 | U | NR | | <139 | U | <0.58 | U | NR | | <137 | U | <150 | U |
| 1,1-Dichloroethene | 330 | 100,000 | | NR | | <131 | U | <129 | U | <284 | U | <126 | U | <135 | U | NR | | <128 | U | <0.76 | U | NR | | <126 | U | <139 | U |
| 1,1-Dichloropropene | NC | NC | | NR | | <113 | U | <111 | U | <244 | U | <109 | U | <116 | U | NR | | <110 | U | <1.26 | U | NR | | <109 | U | <119 | U |
| 1,2,3-Trichlorobenzene | NC | NC | | NR | | <87.4 | U | <86.2 | U | <189 | U | <84.3 | U | <89.9 | U | NR | | <85.6 | U | <0.92 | U | NR | | <84.3 | U | <92.4 | U |
| 1,2,3-Trichloropropane | NC | NC | | NR | | <110 | U | <108 | U | <238 | U | <106 | U | <113 | U | NR | | <108 | U | <1.63 | U | NR | | <106 | U | <116 | U |
| 1,2,4,5-Tetramethylbenzene (Durene) | NC | NC | | NR | | 4,630 | | 5,350 | | 12,700 | | 3,770 | | 8,680 | | NR | | 6,200 | | 8.87 | J | NR | | 16,600 | | 8,350 | |
| 1,2,4-Trichlorobenzene | NC | NC | | NR | | <94.5 | U | <93.1 | U | <204 | U | <91.1 | U | <97.2 | U | NR | | <92.5 | U | <0.79 | U | NR | | <91.1 | U | <99.8 | U |
| 1,2,4-Trimethylbenzene | 3,600 | 52,000 | | NR | | <118 | U | <117 | U | <256 | U | <114 | U | 601 | | NR | | 1400 | | <0.79 | U | NR | | 3030 | | <125 | U |
| 1,2-Dibromo-3-chloropropane | NC | NC | | NR | | <106 | U | <104 | U | <229 | U | <102 | U | <109 | U | NR | | <104 | U | <2.13 | U | NR | | <102 | U | <112 | U |
| 1,2-Dibromoethane | NC | NC | | NR | | <110 | U | <108 | U | <238 | U | <106 | U | <113 | U | NR | | <108 | U | <0.76 | U | NR | | <106 | U | <116 | U |
| 1,2-Dichlorobenzene | 1,100 | 100,000 | | NR | | <113 | U | <111 | U | <244 | U | <109 | U | <116 | U | NR | | <110 | U | <0.84 | U | NR | | <109 | U | <119 | U |
| 1,2-Dichloroethane | 20 | 3,100 | | NR | | <137 | U | <135 | U | <296 | U | <132 | U | <141 | U | NR | | <134 | U | <0.92 | U | NR | | <132 | U | <145 | U |
| 1,2-Dichloropropane | NC | NC | | NR | | <125 | U | <124 | U | <271 | U | <121 | U | <129 | U | NR | | <123 | U | <1.00 | U | NR | | <121 | U | <133 | U |
| 1,3,5-Trimethylbenzene | 8,400 | 52,000 | | NR | | <116 | U | <114 | U | <250 | U | <112 | U | 207 | | NR | | 146 | | <0.89 | U | NR | | 2630 | | <122 | U |
| 1,3-Dichlorobenzene | 2,400 | 49,000 | | NR | | <109 | U | <107 | U | <235 | U | <105 | U | <112 | U | NR | | <106 | U | <0.71 | U | NR | | <105 | U | <115 | U |
| 1,3-Dichloropropane | NC | NC | | NR | | <117 | U | <115 | U | <253 | U | <113 | U | <120 | U | NR | | <115 | U | <0.55 | U | NR | | <113 | U | <124 | U |
| 1,4-Dichlorobenzene | 1,800 | 13,000 | | NR | | <110 | U | <108 | U | <238 | U | <106 | U | <113 | U | NR | | <108 | U | <0.55 | U | NR | | <106 | U | <116 | U |
| 2,2-Dichloropropane | NC | NC | | NR | | <123 | U | <121 | U | <265 | U | <118 | U | <126 | U | NR | | <120 | U | <0.97 | U | NR | | <118 | U | <130 | U |
| 2-Butanone (MEK) | 120 | 100,000 | | NR | | <107 | U | <106 | U | <232 | U | <103 | U | <110 | U | NR | | <105 | U | <5.52 | U | NR | | <103 | U | <113 | U |
| 2-Chloroethylvinylether | NC | NC | | NR | | <200 | U | <197 | U | <433 | U | <193 | U | <206 | U | NR | | <196 | U | <4.29 | U | NR | | <193 | U | <212 | U |
| 2-Chlorotoluene | NC | NC | | NR | | <117 | U | <115 | U | <253 | U | <113 | U | <120 | U | NR | | <115 | U | <0.71 | U | NR | | <113 | U | <124 | U |
| 2-Hexanone | NC | NC | | NR | | <86.0 | U | <84.8 | U | <186 | U | <83.0 | U | <88.4 | U | NR | | <84.2 | U | <2.31 | U | NR | | <83.0 | U | <90.9 | U |
| 4-Chlorotoluene | NC | NC | | NR | | <110 | U | <108 | U | <238 | U | <106 | U | <113 | U | NR | | <108 | U | <0.79 | U | NR | | <106 | U | <116 | U |
| 4-Isopropyltoluene | NC | NC | | NR | | <114 | U | <113 | U | <247 | U | <110 | U | <117 | U | NR | | 1110 | | <0.60 | U | NR | | 5010 | | 282 | J |
| 4-Methyl-2-pentanone | NC | NC | | NR | | <121 | U | <120 | U | <262 | U | <117 | U | <125 | U | NR | | <119 | U | <3.50 | U | NR | | <117 | U | <128 | U |
| Acetone | 50 | 100,000 | | NR | | <164 | U | <161 | U | <354 | U | <158 | U | <168 | U | NR | | <160 | U | <6.47 | U | NR | | <158 | U | <173 | U |
| Acrylonitrile | NC | NC | | NR | | <533 | U | <525 | U | <1150 | U | <514 | U | <548 | U | NR | | <522 | U | <16.2 | U | NR | | <514 | U | <563 | U |
| Benzene | 60 | 4,800 | | NR | | <124 | U | <122 | U | <268 | U | <120 | U | <128 | U | NR | | <121 | U | <0.82 | U | NR | | <120 | U | <131 | U |
| Bromobenzene | NC | NC | | NR | | <113 | U | <111 | U | <244 | U | <109 | U | <116 | U | NR | | <110 | U | <0.82 | U | NR | | <109 | U | <119 | U |
| Bromochloromethane | NC | NC | | NR | | <128 | U | <126 | U | <278 | U | <124 | U | <132 | U | NR | | <126 | U | <1.08 | U | NR | | <124 | U | <136 | U |
| Bromodichloromethane | NC | NC | | NR | | <125 | U | <124 | U | <271 | U | <121 | U | <129 | U | NR | | <123 | U | <0.79 | U | NR | | <121 | U | <133 | U |
| Bromoform | NC | NC | | NR | | <114 | U | <113 | U | <247 | U | <110 | U | <117 | U | NR | | <112 | U | <0.87 | U | NR | | <110 | U | <121 | U |
| Bromomethane | NC | NC | | NR | | <144 | U | <142 | U | <311 | U | <139 | U | <148 | U | NR | | <141 | U | <1.29 | U | NR | | <139 | U | <152 | U |
| Carbon disulfide | NC | NC | | NR | | <116 | U | <114 | U | <250 | U | <112 | U | <119 | U | NR | | <113 | U | <0.76 | U | NR | | <112 | U | <122 | U |
| Carbon Tetrachloride | 760 | 2,400 | | NR | | <127 | U | <125 | U | <274 | U | <122 | U | <130 | U | NR | | <124 | U | <1.00 | U | NR | | <122 | U | <134 | U |
| Chlorobenzene | 1,100 | 100,000 | | NR | | <121 | U | <120 | U | <262 | U | <117 | U | <125 | U | NR | | <119 | U | <0.68 | U | NR | | <117 | U | <128 | U |
| Chlorodifluoromethane (Freon 22) | NC | NC | | NR | | <131 | U | <129 | U | <284 | U | <126 | U | <135 | U | NR | | <128 | U | <0.76 | U | NR | | <126 | U | <139 | U |
| Chloroethane | NC | NC | | NR | | <203 | U | <200 | U | <439 | U | <196 | U | <209 | U | NR | | <199 | U | <1.13 | U | NR | | <196 | U | <215 | U |
| Chloroform | 370 | 49,000 | | NR | | <137 | U | <135 | U | <296 | U | <132 | U | <141 | U | NR | | <134 | U | <0.63 | U | NR | | <132 | U | <145 | U |
| Chloromethane | NC | NC | | NR | | <111 | U | <110 | U | <241 | U | <107 | U | <115 | U | NR | | <109 | U | <1.03 | U | NR | | <107 | U | <118 | U |
| c-1,2-Dichloroethene | 250 | 100,000 | | NR | | <125 | U | <124 | U | <271 | U | <121 | U | <129 | U | NR | | <123 | U | <1.03 | U | NR | | <121 | U | <133 | U |
| c-1,3-Dichloropropene | NC | NC | | NR | | <123 | U | <121 | U | <265 | U | <118 | U | <126 | U | NR | | <120 | U | <0.82 | U | NR | | <118 | U | <130 | U |
| Dibromochloromethane | NC | NC | | NR | | <117 | U | <115 | U | <253 | U | <113 | U | <120 | U | NR | | <115 | U | <0.53 | U | NR | | <113 | U | <124 | U |
| Dibromomethane | NC | NC | | NR | | <128 | U | <126 | U | <278 | U | <124 | U | <132 | U | NR | | <126 | U | <0.68 | U | NR | | <124 | U | <136 | U |
| Dichlorodifluoromethane | NC | NC | | NR | | <113 | U | <111 | U | <244 | U | <109 | U | <116 | U | NR | | <110 | U | <1.03 | U | NR | | <109 | U | <119 | U |
| Ethylbenzene | 1,000 | 41,000 | | NR | | <125 | U | <124 | U | <271 | U | <121 | U | <129 | U | NR | | <123 | U | <1.03 | U | NR | | 150 | J | <133 | U |
| Hexachlorobutadiene | NC | NC | | NR | | <111 | U | <110 | U | <241 | U | <107 | U | <115 | U | NR | | <109 | U | <0.89 | U | NR | | <107 | U | <118 | U |
| Isopropylbenzene | NC | NC | | NR | | 589 | J | 811 | | 1780 | | 338 | J | 1190 | | NR | | 199 | J | <0.66 | U | NR | | 1010 | | 307 | J |
| m,p-xylene | NC** | NC** | | NR | | <245 | U | <242 | U | <531 | U | <237 | U | <252 | U | NR | | <240 | U | <1.66 | U | NR | | 261 | J | <259 | U |
| Methyl t-butyl ether (MTBE) | 930 | 100,000 | | NR | | <124 | U | <122 | U | <268 | U | <120 | U | <128 | U | NR | | <121 | U | <0.82 | U | NR | | <120 | U | <131 | U |
| Methylene Chloride | 50 | 100,000 | | NR | | <152 | U | <150 | U | <329 | U | <147 | U | <157 | U | NR | | <149 | U | <0.53 | U | NR | | <147 | U | <161 | U |
| Naphthalene | NC | NC | | NR | | <86.0 | U | <84.8 | U | <186 | U | <83.0 | U | <88.4 | U | NR | | <84.2 | U | <1.39 | U | NR | | 6140 | | 1580 | |
| n-Butylbenzene | 12,000 | 100,000 | | NR | | 2060 | | 2350 | | 5700 | | 1790 | | 4490 | | NR | | 1700 | | <0.71 | U | NR | | 5720 | | 2370 | |
| n-Propylbenzene | 3,900 | 100,000 | | NR | | 1370 | | 1720 | | 3820 | | 801 | | 2350 | | NR | | 634 | J | <0.92 | U | NR | | 2470 | | 836 | |
| o-xylene | NC** | NC** | | NR | | <120 | U | <118 | U | <259 | U | <116 | U | <123 | U | NR | | <117 | U | <0.89 | U | NR | | <116 | U | <127 | U |
| p-Diethylbenzene | NC | NC | | NR | | 1230 | | 1460 | | 3390 | | 1190 | | 3710 | | NR | | 2130 | | <0.71 | U | NR | | <105 | U | 2180 | U |